

The



CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

JUNE 9 1956

new



IMPROVED FORMULA •

NEW PACK •

CONTEMPORARY DESIGN •

Trade Price 15/- per dozen

Display cartons of 6 tubes

Retail 3/- per Tube (inc. P.T.)

Bonus on direct orders:—

13 to the dozen plus
5% discount on orders for 3 dozen
or 7½% on 6 dozen.

An attractive display card
is now available.

SOLD THROUGH CHEMISTS ONLY

The British Drug Houses Ltd.

London N.1

Beach SUNTAN





A Shooting Party at Lunch

This picture, by an unknown illustrator, recalls the large outdoor compositions of Watteau, which it resembles in revealing the Eighteenth-Century French preoccupation with extravagant *al fresco* gatherings.

One looks in vain for any evidence that the "shooting" has produced results. Of the social success of the consequent junkettings, however, there can be no doubt at all.

Eating Out...

Eating away from home is always more or less hazardous to the hyperacid patient.

Portable medication is, in the patient's untutored hands, scarcely less risky; indiscriminate use of the many alkaline remedies within easy purchase often does more harm than good.

For the occasional or habitual dyspeptic alike, PRODEXIN affords, in a convenient and palatable tablet, a means of checking hyperacidity by regulating gastric pH at a safe and constant level for long periods.

Packings

Cartons of 30 individually wrapped tablets and dispensing packs of 240 tablets.

Basic N.H.S. cost of 240 tablets: 30s.4d.

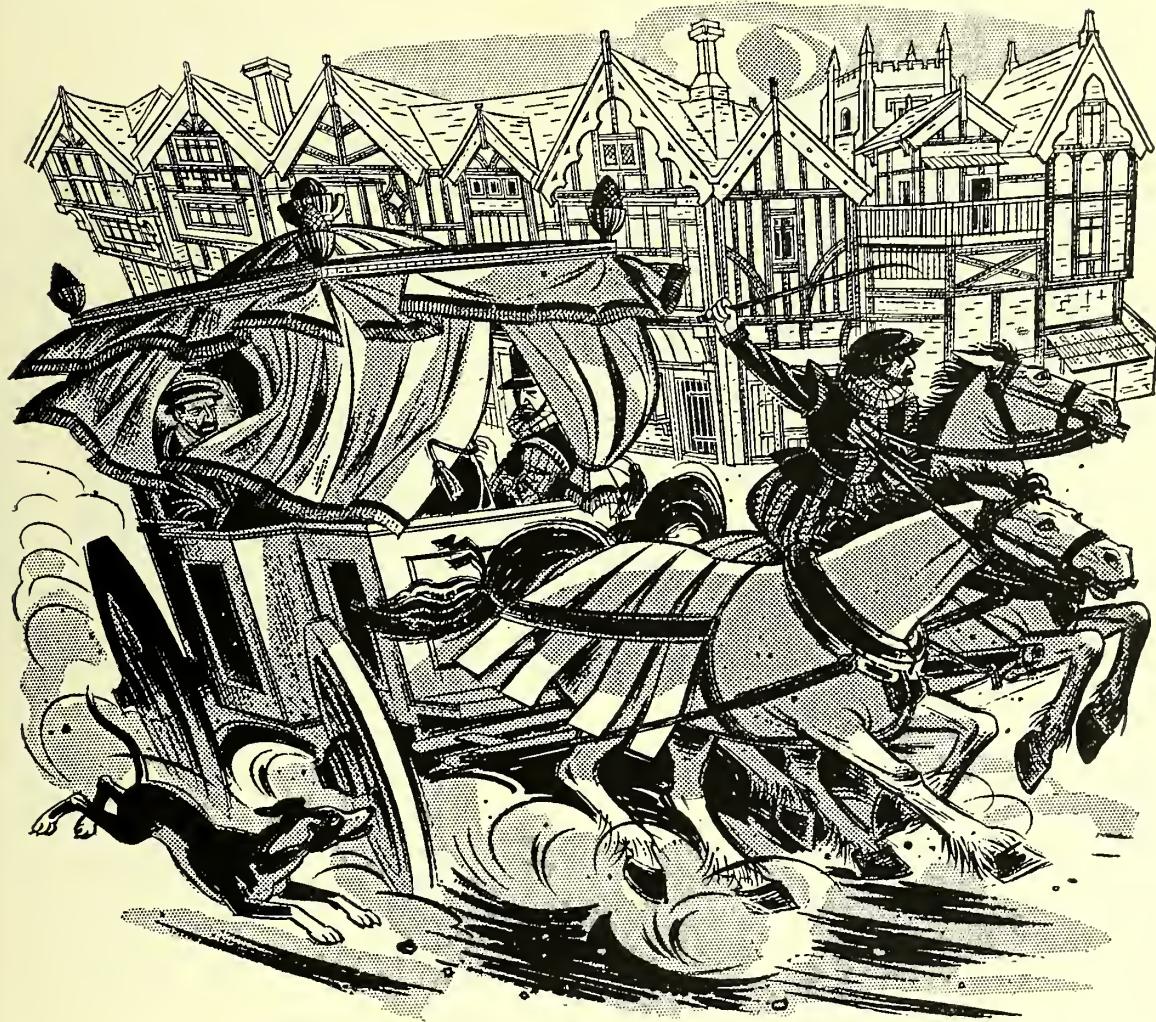
Each Prodexin Tablet contains

Aluminium glycinate.....	0.9 gm.
Light magnesium carbonate.....	0.1 gm.

PRODEXIN

C. L. BENCARD LTD.
Park Royal, London, N.W.10.





ASTHMA IN EDINBURGH

When the great Cardan of Milan was called to the Edinburgh of Mary Queen of Scots to treat the Archbishop of St. Andrews for "the disease the Greeks called asthma", the last part of his journey north from London took 23 days.

Today's patient does not have to wait for treatment. An injection of Adrenaline, a dose of Ephedrine or, best of all, Isoprenaline by oral inhalation or sublingual administration brings

immediate relief. Adrenaline, Ephedrine and Isoprenaline are three of the fine chemicals available from Burroughs Wellcome & Co. in large or small quantities and at strictly competitive prices.

Adrenaline Synthetic, B.P.; Adrenaline Acid Tartrate, B.P.; Ephedrine (Pure Alkaloid), B.P.; Ephedrine Hydrochloride, B.P.; Ephedrine Sulphate; Isoprenaline Sulphate, B.P.

B.W. & CO. FINE CHEMICALS



BURROUGHS WELLCOME & CO. (THE WELLCOME FOUNDATION LTD.) LONDON

Associated Houses: NEW YORK · MONTREAL · SYDNEY · CAPE TOWN · BOMBAY · BUENOS AIRES · CAIRO · DUBLIN · AUCKLAND



*MORE women will buy **bu-to** —the rose scented Hair Remover—in 1956 than ever before.*

It is now FASTER. Advertising will appear in women's journals with readership totalling 20 million.

*Are your **bu-to** stocks adequate? Are you displaying it prominently? **bu-to** means business — that means profits. And **bu-to** has the delightful fragrance of roses. It is so easy to use and quick to remove hair.*



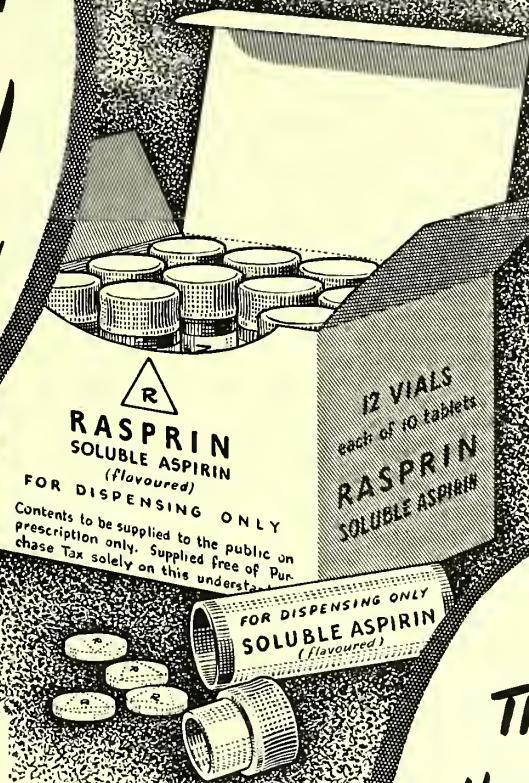
Available in tubes retailing at 2/6 (12/6 per dozen plus 90% P.T.) and polythene bottles (for leg hair) retailing at 7/6 (37/6 per dozen plus 90% P.T.) from your Wholesaler or from:

BIOMETICA LTD. Park Road, Barnet, Herts. Telephone: BARnet 1914

*When you get
prescriptions for*

RASPRIN

*1½ gr. raspberry-flavoured
soluble aspirin*



Doctors are prescribing
Rasprin because . . .

- ★ It is a most convenient and acceptable means of administering aspirin to young children.
- ★ It is safeguarded against accidental overdose by being packed in vials, each containing only 10 tablets—a maximum of $12\frac{1}{2}$ grains per vial.
- ★ It is a soluble calcium aspirin, formulated to disintegrate in the mouth so quickly that there can be no danger of choking.
- ★ It is not advertised to the lay public, and so may be prescribed on Form E.C. 10. Basic N.H.S. price is 4d per vial of 10 tablets.

*This is
the pack
you want*

Manufacturers
E.G.H. LABS
(E. G. H. LABORATORIES LTD.)
PERU STREET, SALFORD 3, LANCS.

Your wholesaler has supplies

Profit from Johnson & Johnson products

The summer season is the selling season for foot products, for first aid dressings, for toothbrushes—for a whole range of Johnson & Johnson products. Together they form a group of top seasonal sellers and regular week-by-week lines that earn you a steady, profitable revenue all the year round.

JOHNSON'S FOOT PRODUCTS

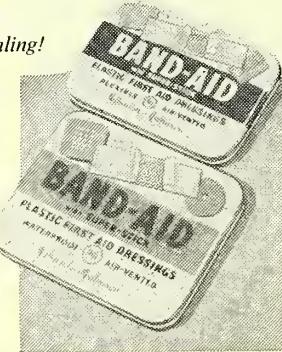
Johnson's corn pads, bunion pads and chiropodist felt are made from first quality materials to proper medical standards. They provide the right answer to most simple foot troubles. The full range of sizes and thickness is detailed in the Johnson & Johnson catalogue.



BAND-AID FIRST AID DRESSINGS

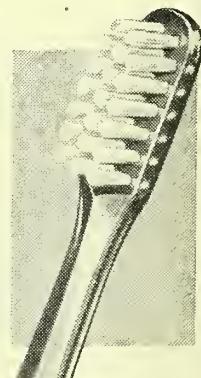
Now 'Aerated' for Quicker Healing!

Made in two kinds, Plastic and Elastic. Both types are 'AERATED' for quicker healing and stick firmly, providing comfortable protection without restriction. BAND-AID First Aid Dressings are supplied in flesh coloured strips, spots and patches of various sizes packed in handy tins at popular prices. 9d. and 1/6d.



TEK TOOTHBRUSHES

The first short-head toothbrush. The first to be individually packed in dust-proof containers. In nylon or bristle, the finest toothbrush there is. Beautifully styled. The TEK Junior Toothbrush for children is also the neatest and most efficient toothbrush for small mouths and hands.



Johnson & Johnson

The World's Most Trusted Name in Surgical Dressings

JOHNSON'S BABY POWDER, BABY SOAP, BABY SHAMPOO, BABY LOTION • "ELASTIKON" WOUND DRESSINGS AND MEDICATED PLASTERS
"ZO" AND "ZONAS" RIGID ADHESIVE PLASTERS • POROUS ADHESIVE BANDAGES • W.O.W. BANDAGES AND CREPE BANDAGES • COTTON
WOOL • SURGICAL GAUZE AND LINT • K-Y STERILISED LUBRICATING JELLY • FIRST-AID KITS • HOSPITAL AND DENTAL PRODUCTS

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TOP QUALITY AND ATTRACTIVE PACKS



SELL

Cannon Rubber

PRODUCTS

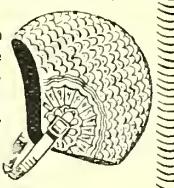
'Modern' teats with their triple perforation and spiral reinforcement are preferred by mothers, as they give 'nearest to natural' feeding. Now in the new 'two-dozen pack,' they retail at 7½d. each and are available in three flow sizes.

Reliability and maximum comfort to baby are assured with the 'Modern' soother. With transparent or coloured rubber rings 1/3d. each and Junior soothers 1/-.

'Ba-By-By' teething rings of best quality rubber for strength and resilience. Obtainable in pastel pink, blue and white at 1/- each.

Ask your wholesaler for full details.

CAPITAL' BATHING CAPS are made in several designs in a large range of attractive colours, including the new Multi-coloured moulded cap. Internal ribbing gives the close and watertight fitting so essential in a bathing cap.



THE CANNON RUBBER MANUFACTURERS, LTD.,
Ashley Road, Tottenham, London, N.17.

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Bronnley for the Bath

BRONNLEY
FINE SOAPS AND
TOILET PREPARATIONS

Exquisitely Perfumed

Elegantly Presented

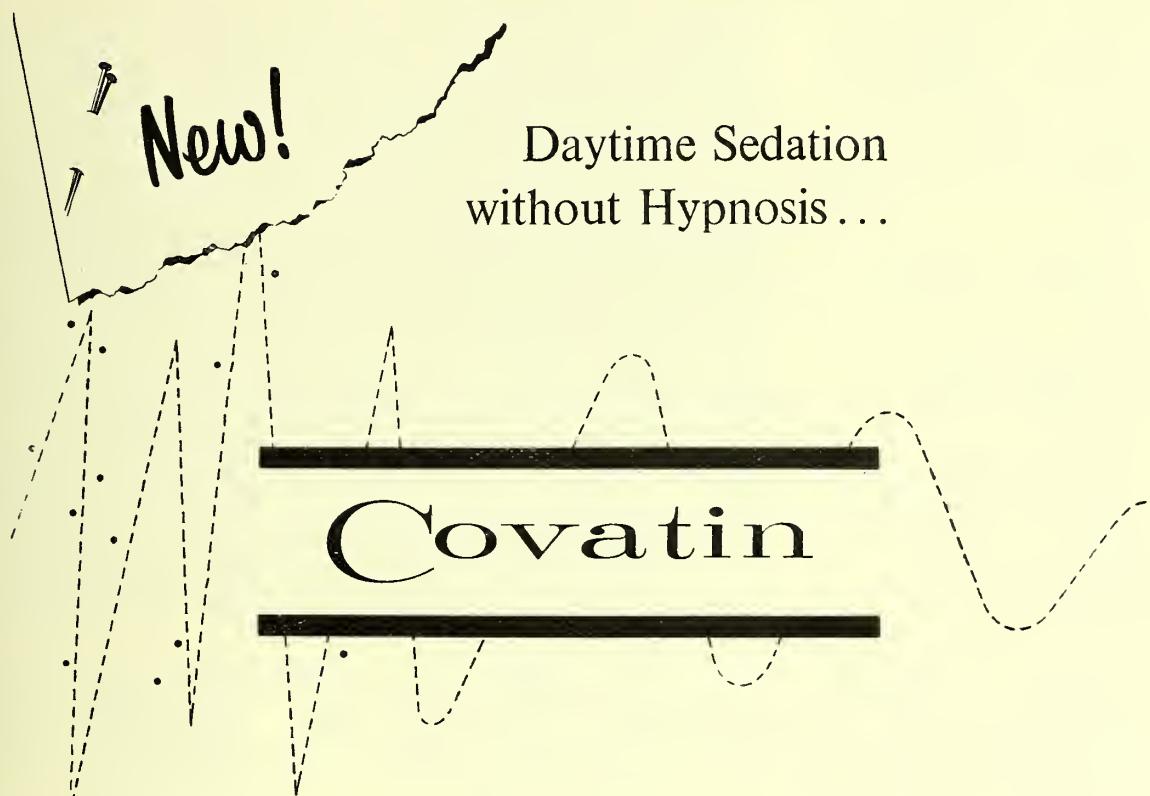
Regularly Advertised

Preferred by

Discriminating Customers

H. BRONNLEY & CO. LTD., LONDON, W.3





Formula: p-butylthiodiphenyl-methyl-2-dimethylaminoethyl sulphide hydrochloride.

Covatin, the new anti-anxiety drug promotes tranquillity and relief from tension without causing sleep or dulling of alertness. It is designed to meet the requirement of general practice.

PROVED BY CLINICAL TRIAL

The effectiveness of Covatin has been proved by comprehensive clinical trials carried out during the past 2 years.

BACKED BY A FULL PROGRAMME OF ETHICAL PUBLICITY

Covatin is being brought to the notice of the medical profession by advertisements in the professional press and by the mailing of literature to doctors throughout the country. Their prescription for Covatin will soon be coming to you. Be ready to meet this demand.

PACK

Available as 50 mg. sugar-coated tablets in bottles of 50 and 500.

PRICE

50's 12/- each (inc. P.T.) list price 80/- per doz. (exc. P.T.)
500 69/4 each (inc. P.T.) list price 640/- per doz. (exc. P.T.)

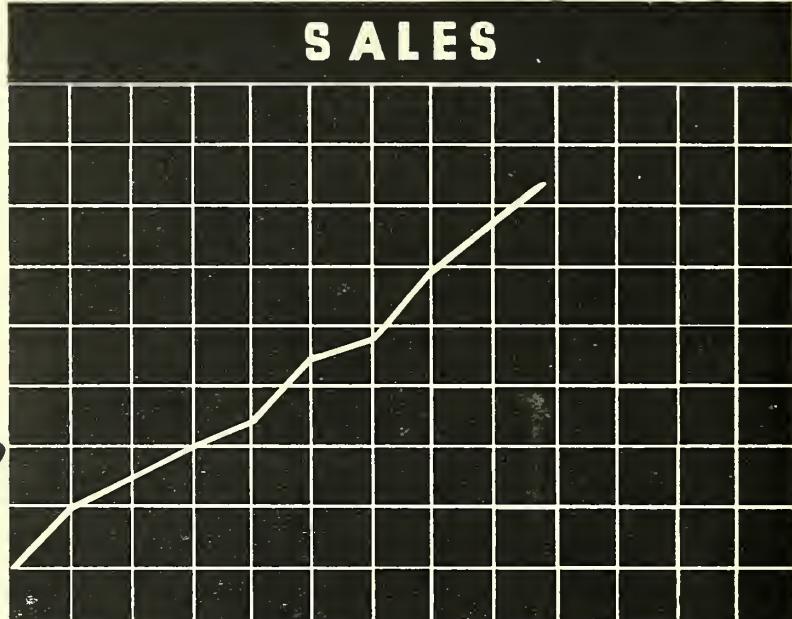
Covatin



William R. Warner & Co. Ltd., London, W.4

**Are You
profiting
from this
*Sales
Curve?***

Sales to both old and new customers are still rising from—



Gill's DANDRUFF REMOVER

shampoo

TO :

**BEAUTISALES LIMITED
35 OLD BOND ST., LONDON, W.I.**

Please send me FREE Trial
Sample of

**GILL'S
DANDRUFF REMOVER SHAMPOO**

NAME.....

BUSINESS
ADDRESS



This is the little bottle that has made such a big name—the bottle that is wanted by the whole family—and their friends! Gill's, the original, Dandruff Remover Shampoo increases in popularity every year because it does remove dandruff at the first application; it does keep the hair soft and clean; it does make profits and earn goodwill for the chemist.

PRICES : 18/4d. per dozen to retail at 2/9d.
From all Wholesalers. Attractive counter display material available.

**BEAUTISALES LIMITED
35 OLD BOND STREET, LONDON, W.I.**
Telephone: HYDe Park 2565-6

Eire Agents : Mur-ro Ltd., 132 St. Stephen's Green, Dublin

GILL'S DANDRUFF REMOVER SHAMPOO IS MADE & SOLD IN 12 EUROPEAN COUNTRIES



BIOCEL

symbol of more than success

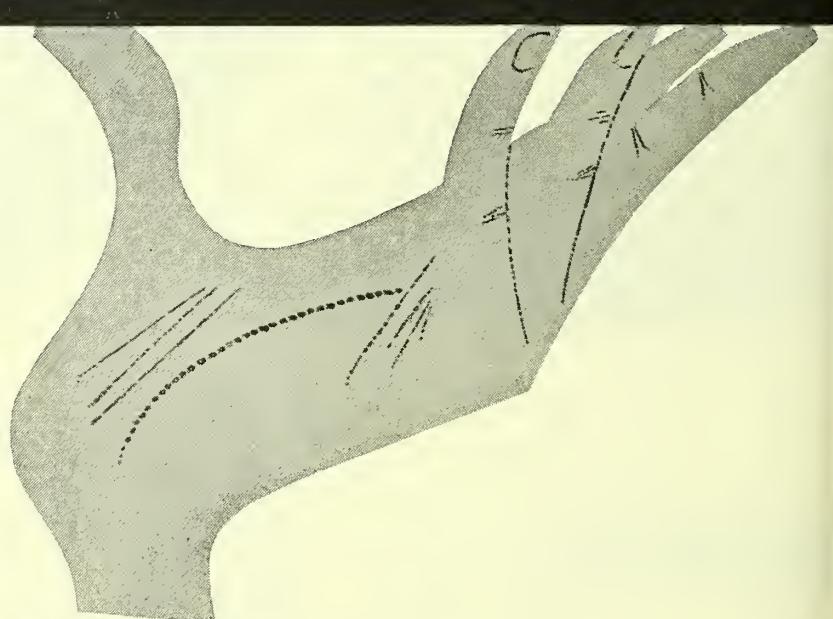
The opening campaign for Tokalon Rose Skinfood with biocel has been more than successful. "More than successful" because of the quiet confidence people have in Tokalon. They know that a product claim by Tokalon is a genuine claim.

We claim that biocel tightens flabby, sagging skins; smooths rough, muddy, complexions and helps wrinkles flatten and fade.

Women have endorsed these claims by their demand for Tokalon Rose Skinfood with Biocel. We know that this is only the beginning of success. More, and greater, success is on the way with new and improved products. As you will reap a great deal of the benefit, do keep adequate stocks of Tokalon beauty products.

Distributors in the U.K., Walter Crowe Ltd., 3 & 4 Little Russell Street, London, W.C.1

in the boudoir size.
29/10½ dozen 5/11 retail
Every bottle individually packed
in the fashionable carton!
In the small travel size
18/11 dozen 3/9 retail



HOUSE OF WESTBROOK PRESENT



ELAN

THE EXTRA LANOLIN CLEANSER

There's been no cosmetic quite like it before!

Every girl in England is going to hear about ÉLAN during these coming months!

ÉLAN—the new extra lanolin cleanser. By the lanolin specialists of the world—THE HOUSE OF WESTBROOK!

Here's the launching programme.

1 That *fashionable* new packaging! Cream polythene bottle, in a lilac outer. If anyone hasn't seen a sample yet, *please write*.

2 The big advertising concentration.

NATIONAL PRESS In May-June, heavy and continual pressure in—7-million News of the World / 5-million Daily Mirror / and 1-million Sunday Graphic.

WOMEN'S MAGAZINES Series of half-pages in Woman's Own—circ. 2,213,457 / Woman's Illustrated — circ. 685,000 / Picturegoer — circ. 470,104 / Everywoman — circ. 369,040 / She — circ. 300,000 Modern Woman — circ. 250,000 / Woman & Beauty — circ. 220,000 Heiress — circ. 65,000

3 ÉLAN displays—show the attractive cards in your windows, on your counters: tie in with the launching campaign!

4 ÉLAN itself—the creamy cleanser with the popular 'extra'—the extra lanolin! The creamy cleanser that restores natural oils as it removes all dirt—that gives back youth as it takes out tiredness. ÉLAN is something *different* in cosmetics—at last!

OPENING OFFER—in your first order let us send you 12 bottles—for the price of 11.

Write to: THE HOUSE OF WESTBROOK, DAISYBANK, DUCKWORTH LANE, BRADFORD, 9



fresh fresh fresh

ELAN

THE EXTRA LANOLIN CLEANSER

Today it is freshness that counts—and ÉLAN is made for today. Yes! For here is last-comes-luxury lanolin—the creamiest, freshest, most delicate ever! Rich lanolin—to feed skin with the natural oils it needs, while at the same moment every trace of deep-laid dirt is floated from your face!

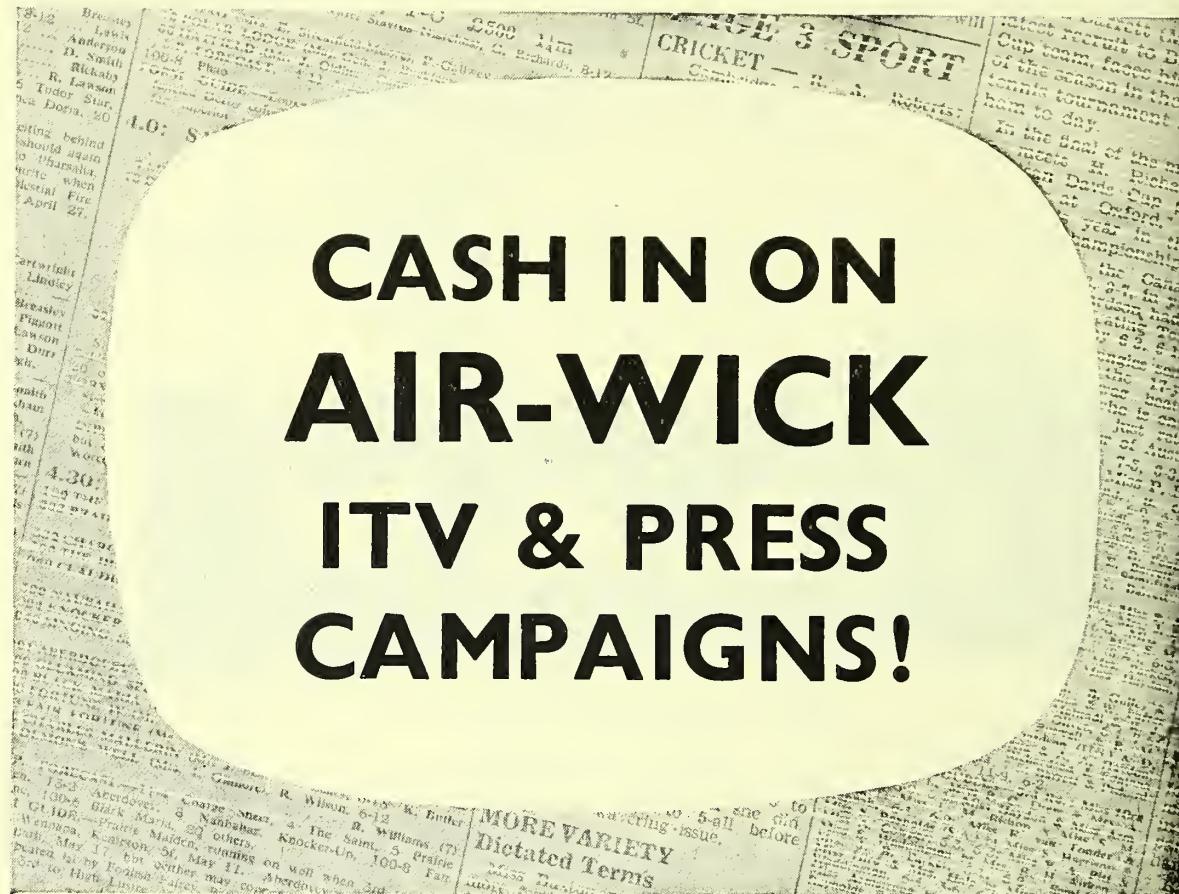
Soft, creamy ÉLAN! ÉLAN not only cleanses your skin, but gives your complexion dewy freshness, too.

See what ÉLAN means—this new lanolin cleaning cream, will do for your complexion!

Watch for this fashionable lilac package! ÉLAN is in two sizes—the boudoir size for 5/-, and the special travel size for 3/-



June 9, 1956



The new, powerful jet-action Air-wick Mist and the original Air-wick bottle (and refill) are now being featured on ITV and in a strong and consistent advertising campaign in:—

Daily Express	Reader's Digest
Daily Mirror	Woman's Illustrated
Daily Mail	Woman's Own
Woman's Weekly	

plus nine women's monthly magazines—a total circulation of over 20 million!

Make sure you have sufficient stocks and display material to meet increased demands!

Air-wick Mist is now 5/11d. Air-wick in the bottle 3/6d. and the bottle refill 2/9d.

Airwick Limited, Slough, Bucks

TEL: SLOUGH 20330



*By appointment to Her Majesty the Queen
suppliers of Air-wick*



FOR CHEMISTS

Richard Daniel & Son
LTD.

DRUGS

SUNDRIES

Manufacturing Chemists

**PILLS • TABLETS
PROPRIETARIES**

HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)
BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)

**OVER 100% PROFIT
with FAST SELLING
KLM SUNBURN CREAM**

Popular demand makes this soothing cream an easy seller for the Summer months. KLM Calamine Cream and Witch Hazel is of proved efficiency in the treatment of sunburn, chapped hands, acne, nappy rash, etc. This is your chance to build up goodwill. Prices allow a particularly favourable profit margin.



2 DOZ. TUBES
in attractive
DISPLAY UNIT



RETAIL PRICE—2/6 per tube.
TRADE PRICE—11/- per dozen plus 3/4 Purchase Tax.
6 dozen lots 10/6 doz. + P.T.
24 dozen lots 10/- doz. + P.T.

ATTRACTIVE SHOW CARD WITH 6 DOZ. ORDERS
ORDERS VALUE £2 AND OVER CARRIAGE PAID

D. MAWDSLEY & CO., 64 FAULKNER STREET, MANCHESTER 1

M.L.

BRITISH ALKALOIDS LIMITED

(MANUFACTURERS OF T.C.P.)

The following is an extract from the statement by the Chairman, Mr. E. Oswald Toft which was circulated with the Annual Report and Accounts for the year ended 31st March, 1956:—

SATISFACTORY RESULTS

As you will see, the Gross Profit at £111,296 brought into this Account shows an increase in trading profits compared with those for the year to 31st March, 1955, this result having been achieved despite the effect on our costs of the continued inflationary trend during the year under review. An increase of £5,950 in the balance of Advertising Expenditure written off compared with last year will be noted, which, I am glad to report, coincides however with an improved turnover. There seems little doubt that this additional advertising, coupled with the hard work of our Marketing Agents, has been a potent factor in this improvement. Following our normal practice no value is shown in the Balance Sheet for Advertising Goodwill.

TAXATION AND PROFIT

The total provisions for Taxation this year represent 58 per cent. of our profit for the year after charging all expenses and Advertising Expenditure, but before deducting the amount of £34,150 appropriated for Taxation. Last year the corresponding percentage was 56 per cent. After providing for this heavy charge, you will observe that we have transferred a further sum of £2,668 to General Reserve, bringing our total surplus on Revenue Account shown in the Balance Sheet to a figure of £81,502. In this connection, you will recollect that the sum of £45,501 was transferred from that Account during the year as a result of the capitalisation authorised at the Extraordinary General Meeting held on the 7th December, 1955. After all appropriations have been taken into account, including the Interim Dividend already paid, there is a balance standing to the credit of this year's Profit and Loss Appropriation Account of £24,583 available for the payment of a Final Dividend, which your Board now recommend should be 2 pence per share, less Income Tax, on the Issued Share Capital of the Company, as increased by the capitalisation previously mentioned. The Issued Share Capital now stands at a figure of £136,503, and the Final Dividend will therefore require £13,081, which amount is debited in the Profit and Loss Account.

TESTIMONY FROM THE PUBLIC

Shareholders might be surprised to learn of the large number of unsolicited testimonials that the Company receives, particularly with reference to T.C.P. So striking are many of these letters we receive from grateful members of the public who have used T.C.P. with outstanding benefit in emergency and for first aid purposes, that we have again employed, in pictorial form, in a number of our advertisements this year, the stories they so vividly portray in their letters. These advertisements have been drawn up on the basic theme of "This actually Happened", and it is felt that they have conveyed the right message to the public and have focused attention on the desirability of T.C.P. being readily available for use in first aid in the home. At this point perhaps I should also mention the continued popularity of T.C.P. Throat Pastilles, for which there has been a steadily increasing demand over the past few years.

I would now like to make a few remarks concerning our Home Trade during the year under review.

Shareholders will remember that the emergency measures introduced by the Chancellor in October last included an increase in Purchase Tax on all goods liable to this duty. The rise in the rate of Purchase Tax applicable to our product was from 25 per cent. to 30 per cent. with the corresponding increase in price to the public. It is, however, difficult to understand why a product such as ours, essential to the health and well-being of the public, should suffer such an increase in the rate of Purchase Tax. In this regard Purchase Tax was increased on our essential product in a manner no different from the increase in Purchase Tax imposed on luxuries and other non-essential goods. I am glad to say, however, that despite these difficulties, our turnover in the Home Market has shown improvement compared with that of last year.

RISING COSTS

On the question of terms of trade in the Home Market, rising costs have compelled us to make certain small increases in the price of some of our products, including unfortunately the larger size T.C.P. The price increase of this particular size is a matter of great regret to those of us concerned with the business since its inception, as the basic price of this popular family size T.C.P. had remained unaltered since its introduction to the market many years ago. Even so it is still far cheaper for the regular user of T.C.P. to buy the larger size, in preference to the smaller introductory bottle. May I again remind Shareholders that they can do a very useful service to their friends and to their Company by personal recommendation of our products.

When reporting on our Export business last year, you may remember that I made particular reference to new plans that were in being for the Australian market. I am happy to say that these already show signs of bearing fruit and in Australia the knowledge of the value of T.C.P. seems steadily to be gaining ground. Export turnover on the whole has been well maintained and in some directions there has been a useful improvement.

Turnover since 31st March, 1956, has been well maintained, but I am loath to comment as to prospects for the current year, in view of the uncertain outlook resulting from the declared intention of the Government to arrest inflation.

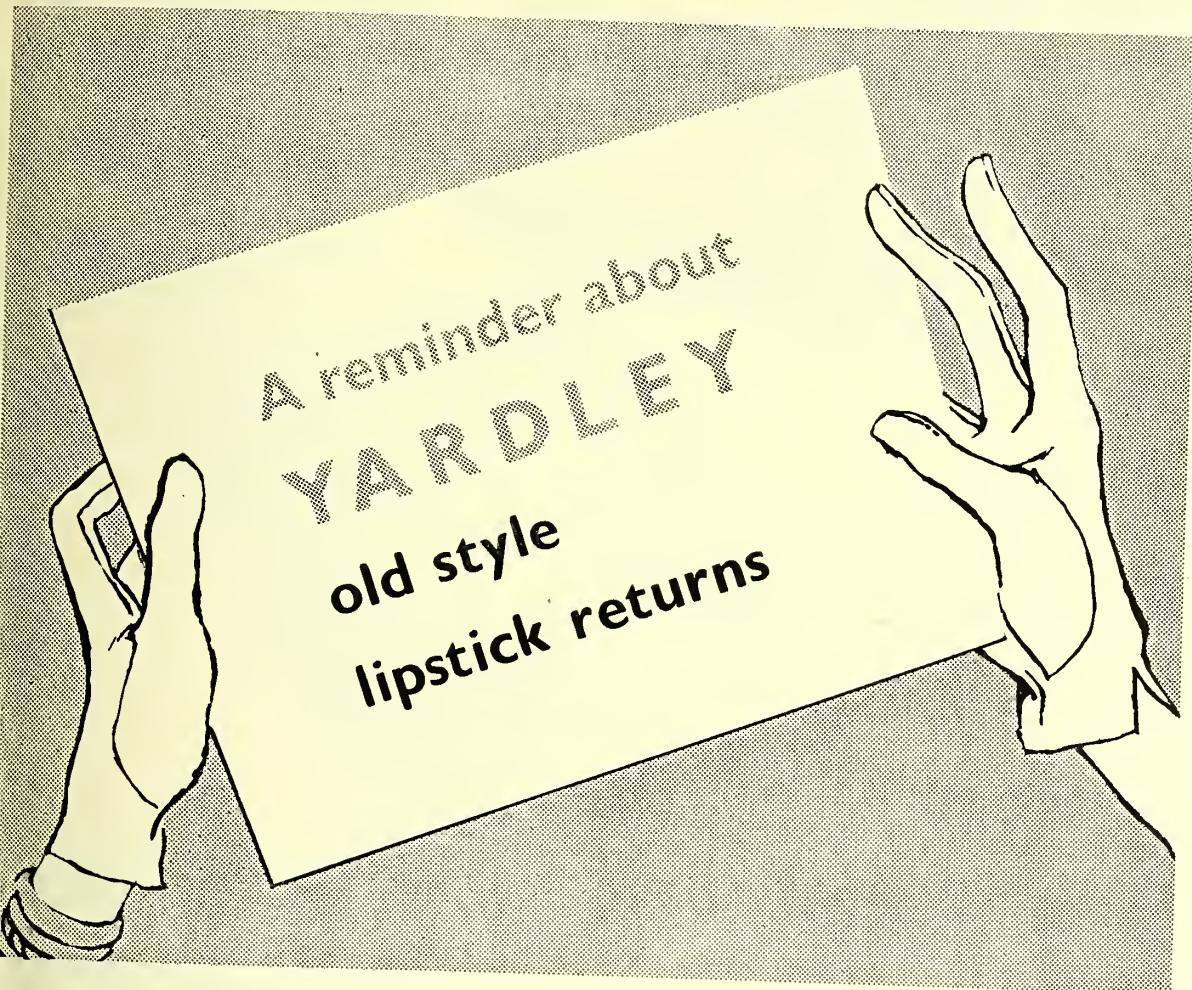
In addition to Mr. R. G. Munson, you will note that this year you are asked to re-elect as a Director of the Company, Mr. K. G. Patteson, who became a member of the Board on the 27th October, 1955. Mr. Kennett Patteson, who is a Member of the Institute of Chartered Accountants, The Institute of Directors, and Treasurer of the Chemists Federation, has been associated since his War Service with our Marketing Agents, and with you, the Company, as Secretary, for the past seven years. During this time he has applied himself with noteworthy success to furthering the Company's interests and to widening his knowledge of the business, not only on the manufacturing side, but also in regard to the marketing of our Products, carried out so ably by our Distributors.

It gives me great pleasure again to express my thanks and appreciation to all branches of the Pharmaceutical Trade for their continued support and co-operation, and to conclude my statement by expressing my sincere thanks to the Company's staff and associates, who have contributed so much to the satisfactory results of the past year.

The Report and Accounts were unanimously adopted, and a final dividend of 2 pence per share, less Income Tax for the year, was passed.

The retiring Directors, Mr. K. G. Patteson and Mr. R. G. Munson, were re-elected, and the remuneration of the Auditors, Messrs. Oakley, Wederell & Co., having been fixed, the proceedings terminated with a cordial vote of thanks to the Chairman, Directors and Staff.

Clear the field for YARDLEY Double event



In order to clear the field for our brilliantly successful Double Event Lipstick and Quick Change Refills, we are asking all our retailers to return all remaining stocks of the old style lipsticks and refills between June 1st and June 30th, 1956.

A letter giving full instructions, together with a Return Form to fill in, has been sent

to each Yardley retailer, and we hope that you have received yours.

Please help by complying exactly with the instructions set out in our letter as quickly as possible. *Credits cannot be approved after June 30th.*

YARDLEY

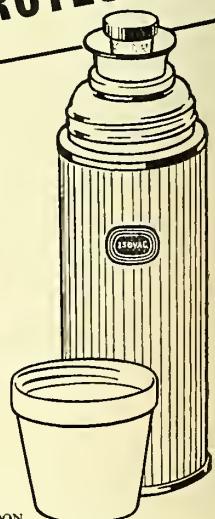
The NEW improved
ISOVAC

- Centre-sealed for greater strength.
- Tip safeguard against accidents.
- No base fittings—no loose parts.
- Easy replacement.
- Safer cleaning and all the standard ISOVAC plus-features.

WITH INNER CENTRE-SEALED AND
 TIP PERMANENTLY CORK-PROTECTED

6'6

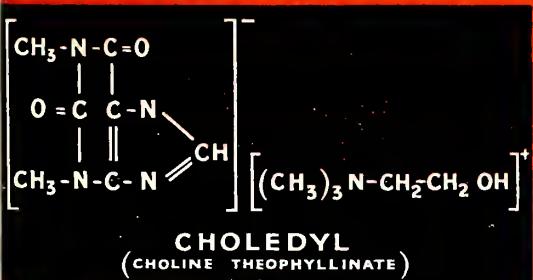
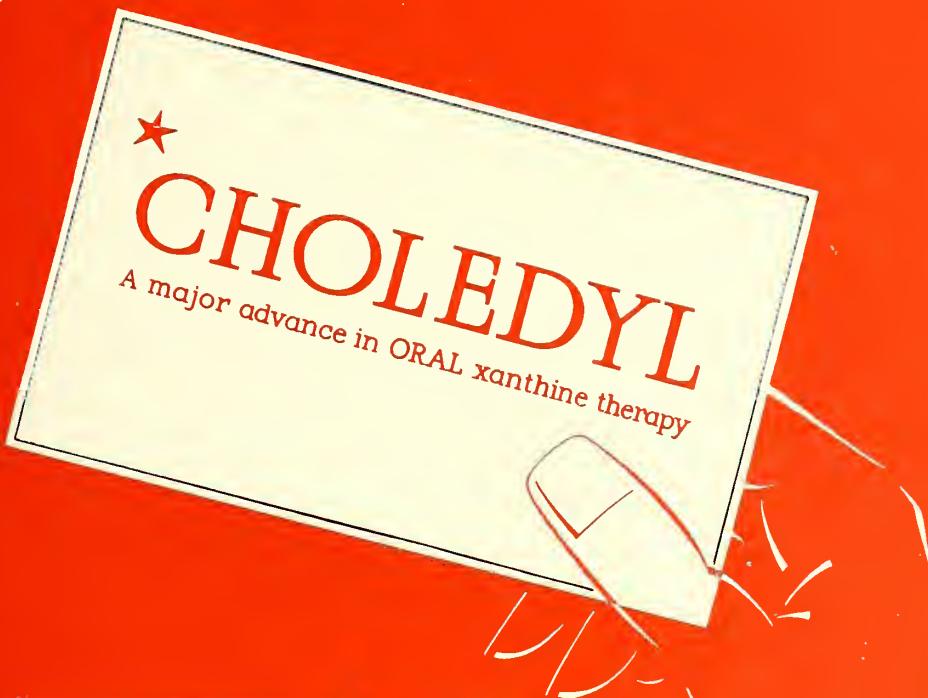
Standard Size 551
 16 Fluid ozs.



MANUFACTURED BY L. REES & CO. LTD. (ISOVAC DIVISION)

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Introducing

**PRESENTATION****CHOLEDYL TABLETS 100 mg.**

(Coloured Pink)

Each tablet contains:—

100 mg. CHOLINE THEOPHYLLINATE

Bottles of 100 retail 14/- each. Trade 9/4 each.

Bottles of 500 retail 56/- each. Trade 37/4 each.

Manufactured in England by

ALLEN & HANBURYS LTD LONDON E2

• under licence from NEPERA CHEMICAL CO., INC., NEW YORK, owners of the trade mark and United Kingdom patent No. 736,443.

ADVANTAGES

- STABLE
- FIVE TIMES MORE SOLUBLE THAN AMINOPHYLLINE
- RELATIVELY FREE FROM SIDE EFFECTS
- HIGH THEOPHYLLINE BLOOD LEVELS
- AVOIDS TENDENCY TO DEVELOP DRUG TOLERANCE

CHOLEDYL TABLETS 200 mg.

(Coloured Yellow)

Each tablet contains:—

200 mg. CHOLINE THEOPHYLLINATE

Bottles of 100 retail 18/- each. Trade 12/- each.

Bottles of 500 retail 72/- each. Trade 48/- each.

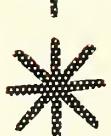
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BARTEX *Featherweight* Sunglasses



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EASY-ON-THE-SKIN CREAM**

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Modern Pack

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CARTONED TUBES PACKED
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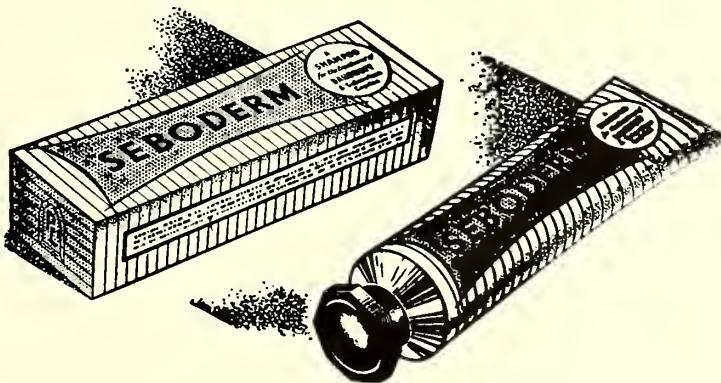
Price 9/6 per dozen tubes
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RETAILING AT 2/6 PER TUBE
DISPLAY MATERIAL AVAILABLE

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CETRIMIDE
CREAM SHAMPOO



- ★ Prepared specifically for care of the scalp and hair.
- ★ Most effective in treatment of simple Dandruff and Seborrhoeic Dermatitis.
- ★ The shampoo is pleasant to use.

SEBODERM in $\frac{1}{4}$ -oz. tubes, Retail Price
2s. 5d. each inc. P. Tax.

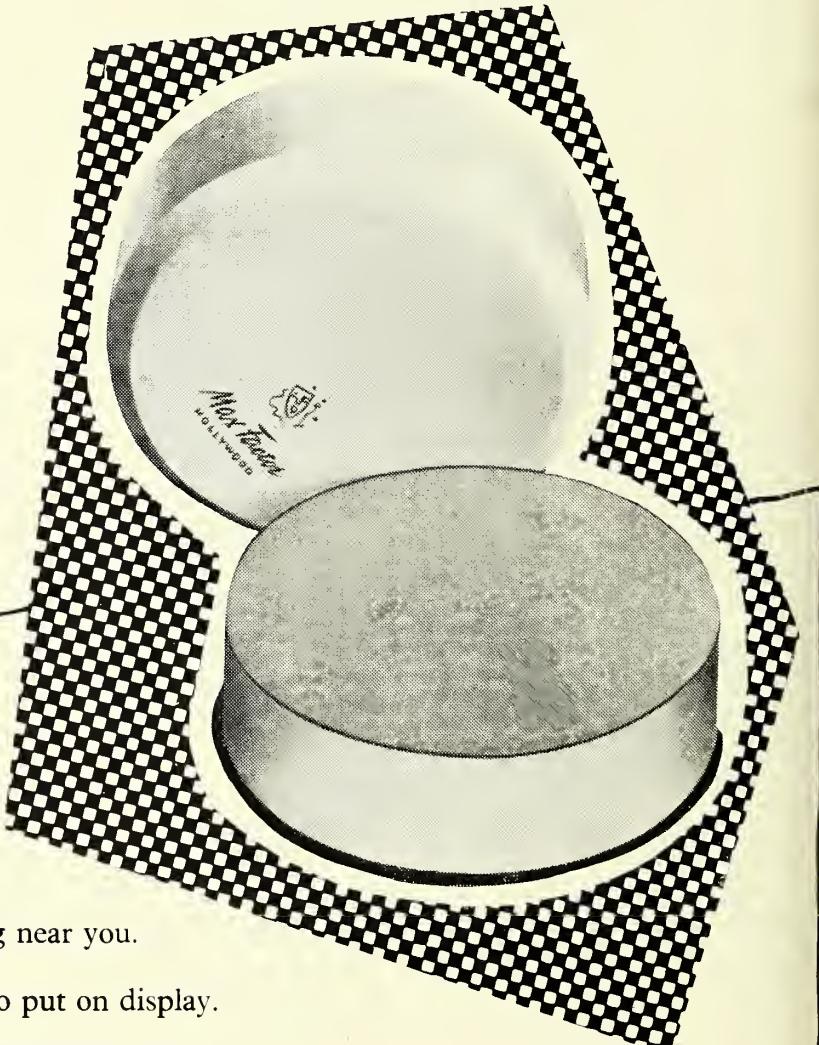
To PHARMACISTS — 33 $\frac{1}{3}$ per cent.
PLUS bonus 1 free tube per dozen.

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as advertised to

One in every three living near you.

Face Powder's the line to put on display.

Face Powder sells any hour of the day.

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MAX FACTOR Face Powder advertising appears in the Sunday Pictorial June 10.

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A NEW DEVELOPMENT IN ANALGESICS

NO ASPIRIN**no gastric irritation****NO PHENACETIN****no methæmoglobinæmia****NO CODEINE****no constipation****Panadol**

(N-acetyl-p-aminophenol)

TRADE MARK

A NEW BAYER PRODUCT*Detailed information available from***BAYER PRODUCTS LIMITED**

Neville House, Kingston-on-Thames, Surrey

Associated export company:

WINTHROP PRODUCTS LTD.

A new compound

(4,4'-diacetoxy - diphenyl)-(pyridyl-2) - methane

Dulcolax

Regd. Trade Mark

Contact Laxative
free from systemic effects

Enteric Coated Tablets

act overnight

Suppositories

promptly empty the lower bowel
replacing the enema

Supplied

Tablets (enteric coated) of 0.005 g.

Bottles of 30 and 200

Suppositories of 0.01 g. Boxes of 6 and 50



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The above mentioned products are a selection taken from our list of products a copy of which will be gladly sent on request.

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INCREASE
OF**

**Velouty
POWDER CREAM**

FROM

JUNE 1ST.

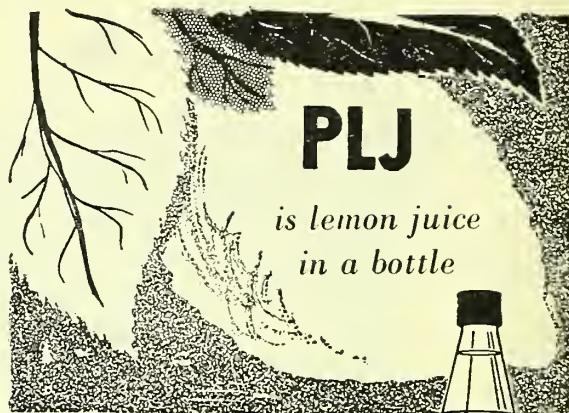
TUBES No. 2	TRADE	7/6	RETAIL	1/6
	DOZEN		INC. TAX	

TUBES No. 3	TRADE	12/3	RETAIL	2/6
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JARS	TRADE	17/2	RETAIL	3/6
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IVORY, NATURAL, PEACH, SUNGOLD
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DIXOR LTD.
ST. LEONARD'S ROAD, MORTLAKE
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The natural, undiluted, very pleasant juice of *full-ripened* Sicilian lemons. Many thousands of women are now drinking PLJ regularly for the sake of their health and figure. Once in the home, they use it for many other purposes. To make real lemonade. To dress salads. To rinse hair. And so on. The lemon is a versatile fruit—and anything a lemon can do PLJ can do better!

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announce the withdrawal of

Standard Bonus Parcels for Crookes

Halibut Oil and Capsules

as from 30th June, 1956

however...

New bonus parcels for capsules

will be available from the

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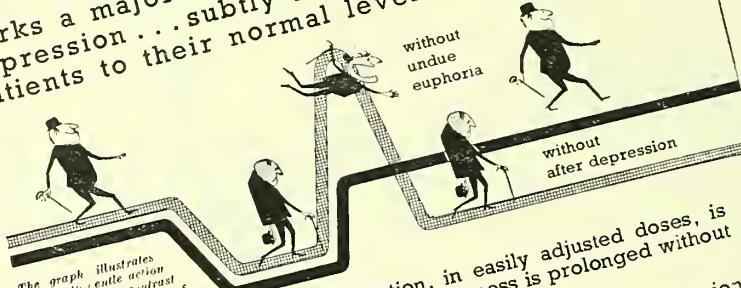


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Meratran



(pipradrol hydrochloride)
marks a major advance in the treatment of
depression... subtly returns your depressed
patients to their normal level of well-being



Meratran Meratran's action, in easily adjusted doses, is prompt—subtle—comfortable. Its effectiveness is prolonged without impairment of sleep or interference with appetite.

Meratran WITH RESERPINE. Where anxiety and tension are present Meratran with Reserpine should be used. Meratran alone is not suitable in these conditions.

A NEW



PRODUCT

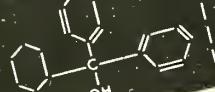
Rx Meratran

INDICATIONS: Functional fatigue, depressive states and debility. 'MERATRAN' is ideally suited for the depressed geriatric patient and is effective in relatively small doses.

DOSAGE: 'MERATRAN' 6 mg. (six tablets) in divided doses daily, later reduced as required.

Individualisation of dosage is essential.
Geriatrics. One or two tablets a day (the latter dose being divided).
'MERATRAN' WITH RESERPINE.
One tablet three times a day.

FORMULA: α -(2-piperidyl) benzhydrol hydrochloride (pipradrol hydrochloride) with the following structure:



COMPOSITION: 'MERATRAN' is available in pink tablets each containing 1 mg. pipradrol hydrochloride.

'MERATRAN' WITH RESERPINE tablets are white and each contains 1 mg. pipradrol hydrochloride and 0.25 mg. of reserpine. Each form is available in bottles of 30, 100 and 500 tablets.

Although a new drug, 'MERATRAN' has been extensively tested and published reports cover its successful use in many hundreds of patients. Full details are given in the 'MERATRAN' booklet; a copy of which will be sent on request.

Meratran is a registered trademark of the Wm. S. Merrell Company, London. Distributed in Great Britain and Eire by

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LOUGHBOROUGH, LEICESTERSHIRE**

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is available as pink tablets each containing 1 mg. pipradrol hydrochloride. Bottles of 30, 6/8d basic N.H.S. cost; 100, 16/8d; 500, 75/- (Exempt from P.T.)

Now being introduced to the doctors in this country

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is available as white tablets each containing 1 mg. pipradrol hydrochloride and 0.25 mg. reserpine.

Bottles of 30, 9/- basic N.H.S. cost; 100, 22/8d; 500, 102/- (Exempt from P.T.)

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Grey Spray

"LACQUER"

the finishing touch

The finest lacquer and easy to use . . .
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FOR ALL
HEADS!

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HAIR BRIGHTENERS

BRIGHTENERS
FOR YOUR
TURNOVER!

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GOLDEN (Blonde) No. 12

AUBURN No. 14

★ BROWN (GREY) No. 18

Retail Prices :

1 oz. bottles each 3/2

2 oz. , , , 5/6

EVANOL NOW COVERS THEM ALL

With the addition of our Brown No. 18, the perfect remedy for Grey Hair, our range of Brighteners covers every hair shade and colour. Natural colours are enriched. Evanol Hair Brighteners are extensively advertised in National Daily, Sunday and Women's Journals with combined sales of 22,666,732 per insertion.

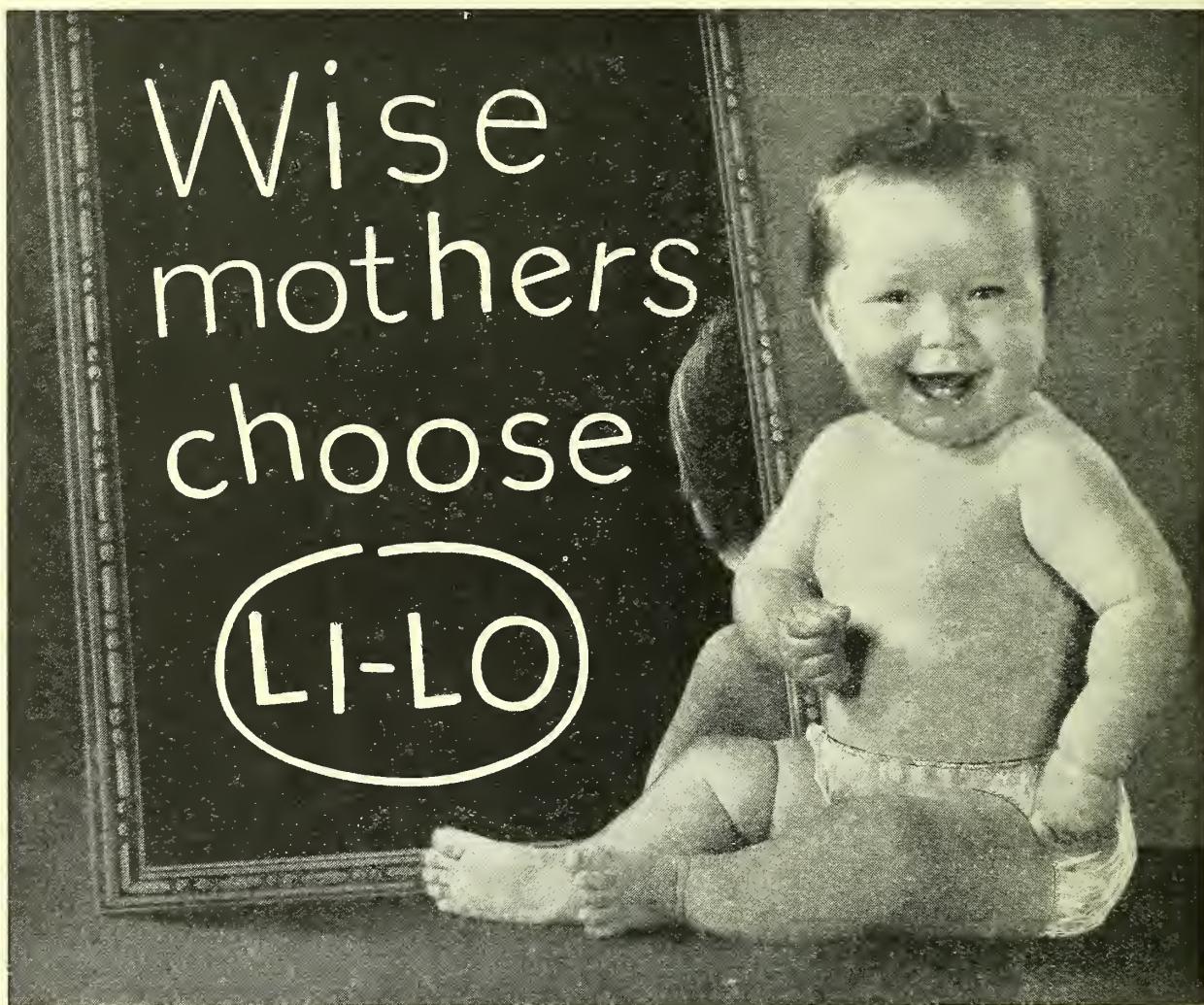
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Write for free Shade and Show Cards



There's always a steady demand for these reliable products for the nursery. Wise mothers always choose Li-Lo—because it's the name they know they can trust.

Baby Pants:

In satin embossed pearl white film with elastic or open leg, and Li-Lo "Snappifit" with elastic leg and side fastenings (both awarded the Good Housekeeping Institute Seal). Also superfine white rubber with elastic leg. All individually packed and in counter displays of one dozen.

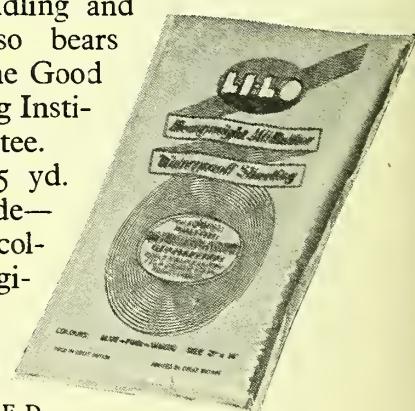


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All Rubber Sheetings:

In cut pieces 36" x 27" and 27" x 18" in white and pastel blue and pink. Individually packed for easy handling and hygiene. Also bears the seal of the Good Housekeeping Institute's guarantee.

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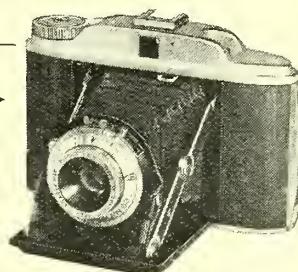
THE '110' CAMERA

All metal body. f/11 all-distance two element lens. Eye-level viewfinder. Synchronised for flash. Retail price £5.19.10 (incl. tax).

GOOD
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CAMERAS—
**HANDSOME
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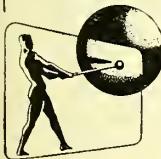
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All metal body. Otar f/6.3 lens with 3-speed shutter. Eye-level viewfinder. Synchronised for flash. Retail price £10.8.6 (inc. tax).



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from $3\frac{1}{2}$ ft. to infinity. Built-in rangefinder, automatically extending front, double exposure prevention device, accessory shoe, depth of field scale. Leather-covered body with smart chrome trim.

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Leather Ever-ready case with strap £2.17.0

High speed f/2.9
Praxar lens system,
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shutter, synchronised for
flash, and with delayed
action release. Focussing

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Paxina

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Takes $12 2\frac{1}{4}'' \times 2\frac{1}{4}''$
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film. High speed f/2.9
Praxar Bayreuth anastig-
mat lens, two alternative
viewfinders, shutter release socket, accessory shoe, depth
of field and focussing scales, and tripod bush.

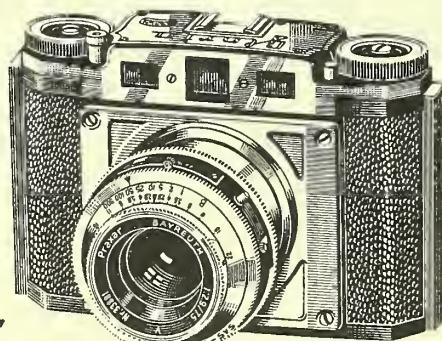
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Praxar Bayreuth lens, in
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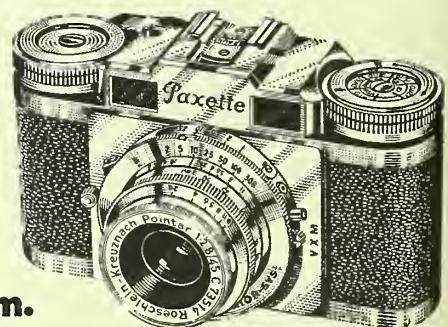
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Praxar Bayreuth lens, in
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shutter

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Leather Ever-ready case £2.17.0



35 mm.



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f/2.8 Pointar Anastig-
mat colour-corrected
lens; Pronto S.V.S.
8-speed shutter, syn-
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**More money coming
from cream home-perms!**

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launches in this

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half-page ad. June 22

- More money for you because ...

1. Simpler than lotions *and* a perfect perm!
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3. Priced *right* at 4/3d!
4. Heavy National Advertising—half-page Daily Express ad. alone will reach 11,608,000 reader-customers!



So easy
you can do it
on
your
head...

...in fact, you do!

JUST COMB THROUGH... CURL AND RINSE

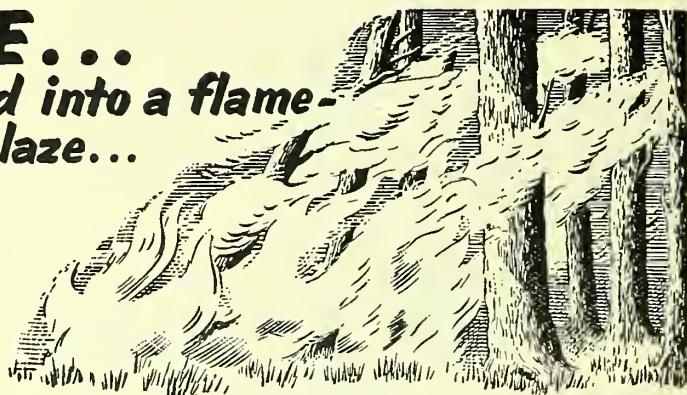


LIKE A FIRE...
*just a spark-fanned into a flame—
 developing into a blaze...*

A simile of the rapid growth of
 Diuromil Sales.

Every week thousands of sparks
 —our advertisements in our
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 create interest and customers.

This, plus medical support and the endless testimony of one person who has derived benefit telling others, until the sparks become flames, which have now developed into a blaze.



Diuromil

has the largest and fastest sales of all effervescent salts, especially compounded for the relief of
RHEUMATISM, GOUT, LUMBAGO, SCIATICA, FIBROSITIS

You can add fuel to the flames by displaying Diuromil—
 very attractive show material gladly sent on request.



& PATA recommends your recommendation.

PHARMAX LIMITED, GRAVEL HILL, BEXLEYHEATH, KENT.



SPECIAL BONUS OFFER of NURSE HARVEY'S Baby Powder!

During April to June inclusive we offer all retail chemists
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Nurse Harvey's Baby Powder is being Nationally adver-
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 sent samples of our Baby Powder as a result of advertising
 on Radio Luxembourg.

Nurse Harvey's Baby Powder, made by the makers of the
 famous Nurse Harvey's Mixture, contains pure olive oil
 to soothe and protect baby's tender skin.

Take advantage of this special offer and place your
 order now!



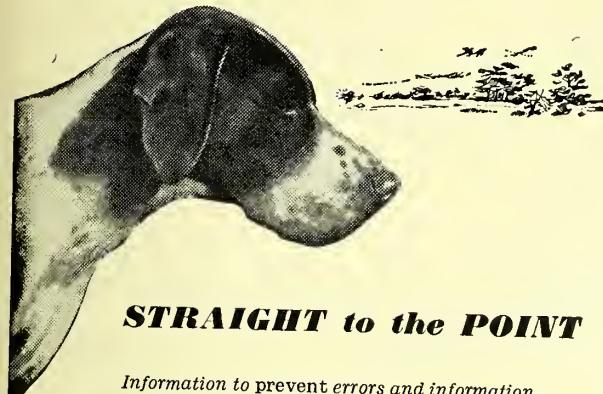
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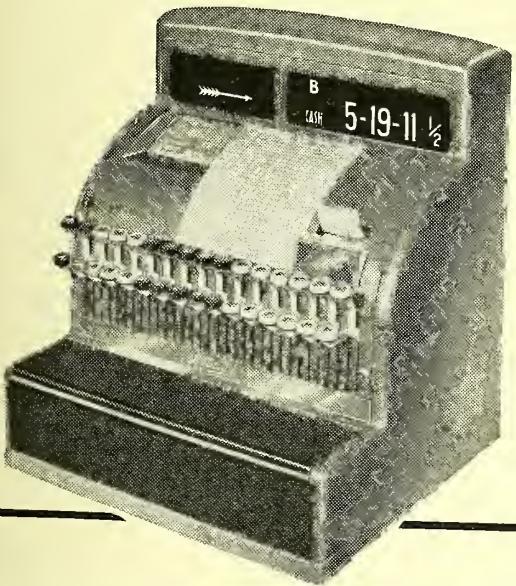
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LONDON and all principal business centres throughout Britain and the World



THE CHEMIST AND DRUGGIST

ESTABLISHED 1859

The weekly newspaper for pharmacy and all sections of the drug, pharmaceutical and fine chemical, cosmetic, and allied industries

*Official organ of the Pharmaceutical Society of Ireland
and the Pharmaceutical Society of Northern Ireland*

Volume 165 June 9, 1956 No. 3981

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EDITORIAL AND PUBLISHING OFFICES
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ANNUAL SUBSCRIPTION, which includes The Chemist and Druggist Diary and Year Book, £2. Single copies one shilling each.

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counting 'Philishave' sales points!**

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2 Special skin-stretch action for closer shaving.

3 Unbeatable value at £7.14.2d., tax paid.

4 Works on two voltage ranges: 110-130 and 200-250 v.

5 World-wide Philips service network.

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The CHEMIST AND DRUGGIST

Volume 165

JUNE 9, 1956

No. 3981

New Drug Tariff

PRICING ARRANGEMENTS NOW INCLUDED

THE detailed pricing arrangements for National Health Service prescriptions are included in the Drug Tariff for the first time in the April 1956 edition now being distributed to chemist contractors.

Paragraph 1 of Part 1 of the Tariff has been amended as follows:—

Prescription Payments

(a) Prescriptions shall be divided into classes; (i) those where all will be individually priced; (ii) those where some will be individually priced and some averaged.

(b) The allocation of prescriptions to classes and the proportion of prescriptions in class (ii) to be individually priced shall be agreed from time to time between the Minister of Health and the Central N.H.S. (Chemist Contractors) Committee or in default of agreement shall be determined by the Minister.

(c) When a prescription is individually priced the payment shall consist of [as laid down in para. 1 of the May 1955 Tariff].

(d) When a prescription is not individually priced, payment shall be based on the average of the payments made for that proportion of the prescriptions of the same class which has been individually priced in the same month.

The Drug Tariff has been brought into line with the British Pharmacopoeia, 1953, as amended by the Addendum, 1955. Some drugs and preparations now seldom used have been deleted. There are no further additions to the list of prescribed appliances other than those already notified in the quarterly amendments. Chemists are reminded that Luer needles must, so far as practicable, be kept in stock, and should be supplied to patients possessing the Standard Insulin Syringe when hypodermic needles are ordered. Also that, where, say, four spare needles are ordered as well as a syringe, four needles are to be supplied in addition to the two needles included with the syringe in its box. 3 and $3\frac{1}{2}$ in. widths of cotton elastic bandages are temporarily unavailable. Crêpe band-

ages, B.P.C., or one of the other bandages in the Tariff may be ordered as a temporary alternative. Attention is drawn to the provision that where boric lint is ordered by size, the corresponding weight may be dispensed and vice versa.

Deputation on Pricing

MINISTER INSISTS ON AVERAGING

MR. R. H. TURTON (Minister of Health) told a deputation from the Joint Pricing Committee for England recently that while he was in full sympathy with the Committee, he was advised that the averaging system of pricing worked fairly if taken over a period, and that in present circumstances he would not be justified in authorising even a small addition of staff for full pricing, particularly in view of the Guillebaud report. He did, however, ask that the Committee should consult with his officers with a view to improving the day-to-day operation of the system. The deputation had pressed for the restoration of the full pricing of prescriptions on the grounds that (a) proper investigation of prescribing costs could not be undertaken without it, and (b) that the Committee was not satisfied with the present averaging system.

Industrial Rerating?

M.P.'S PREDICTION

SIR Harold Webbe, M.P., told a meeting of Westminster Chamber of Commerce on June 5 that in his opinion the Government must and would consider the rerating of industry in the near future. After legislation on local government finances, which would be introduced before the end of 1956 or at the beginning of 1957, there would have to be a revaluation of domestic property on the basis of its current rental value. Sir Harold advised members of the Chamber that if in their serious and considered view their new assessment was unreasonably out of relation to the rental which they or any other reasonable person would be prepared to pay for premises, then they should vote against it. He admitted that it was difficult to trace any consistent pattern in the new assessments. In one case, where the current rent was £13,000 a year, the assessment of rent on which the new rates were based was £90,000 a year. In other cases, assessments were below the actual rent. The point, however, was that many of the rents being paid were as out of date as the old rateable values, because of the length of leases. Because some rents were below the market level, that was no reason why the fortunate tenants should not pay rates on an up-to-date assessment.

Officers of the Society

COUNCIL ELECTS PRESIDENT FOR 1955-56

THE Council of the Pharmaceutical Society at its meeting on June 6 elected Mr. Granville Shaw President and Mr.



FRANCO-BRITISH OCCASION : The lord mayor of Bradford receives members of the Franco-British Pharmaceutical Commission at the town hall, May 4. Left to right : Mr. H. B. Mackie; Professor Maurice Piette, Mr. Maes (French Consul in Bradford), the lord mayor (Alderman Ruth), Mr. E. C. Mandel (secretary of the Pharmaceutical Society's Branch), Mr. Ahr (the other member of the two-man team of lecturers from France), and Mr. Petit (Branch chairman). Professor Piette (faculty of pharmacy, University of Paris) gave an address on haematology to students at Bradford Technical College on May 4 (not at Leeds as previously stated).

POSTAL CHARGES REMINDER

READERS are reminded that on June 1 the printed paper rate of postage was increased to two-pence for 4 oz. and one penny extra for each additional 2 oz. Other postal charges were increased on the same date (see C. & D., April 21, p. 286).

D. W. Hudson Vice-president for 1956-57.

Harwell Visited

WORK ON ATOMIC RESEARCH SEEN

THE tenth anniversary of the opening of the Atomic Energy Research Establishment at Harwell, Berks, was celebrated recently by the holding of a number of "open days" so that visitors could be shown something of the Establishment's work. That includes the production of practically all the radioactive isotopes made in Britain, although final processing of the medical isotopes is done at the Radiochemical Centre at Amersham, Bucks. Many radio isotopes are fission by-products. In that category is caesium 137, which it is expected will be produced at the rate of 1,000,000 curies a year in a few years' time, and the problem of finding a market for that isotope and others is occupying the attention of the Technological Irradiation Group at Harwell, which is eventually to have its headquarters at Grove Airfield, seven miles from Harwell. By being outside the Harwell perimeter formalities it will reduce to a minimum and the co-operation of industry will thereby be encouraged. The group will advise industry on the uses to which "atomic waste" can be put. Those uses include sterilisation of pharmaceuticals and food products. Visitors were shown the eight-year-old BEPO reactor or atomic pile. It is in that that cobalt 60 has been produced for hospitals and industry at a rate equivalent to 12,000 gm. of radium a year. New reactors, now under construction at Harwell, and models of which were on show, are expected to provide cobalt 60 equivalent to about 50,000 gm. of radium a year. Even then there will not be enough to meet the demand and caesium 137 is being offered as an alternative.

N.H.S. in Derbyshire

EXECUTIVE COUNCIL REPORT, 1955-56

IN the annual report for 1955-56 of Derbyshire Executive Council it is

stated that there are 158 pharmacies in the area. The Executive had submitted for analysis seventy-two test prescriptions for drugs and fourteen for appliances. The analysts' reports showed a high standard of dispensing and the only case referred to the pharmaceutical service committee resulted in a recommendation that the chemist should be cautioned. The average cost per prescription was 4s. 2d. (4s. in 1954-55) average per person 20s. 6d. (21s. 1d.).

an associate concerning holidays, and was instructed to reply to her, and also submit the query to the meeting of the Joint Council on May 15. Data for the meeting of the Joint Council was considered. The next meeting of Committee is on June 11.

Also present: Messrs. W. E. Cooper, R. J. Davidson, W. T. Hunter, J. Kerr, E. G. Mackle, W. Mitchell, G. E. McIlhagger, A. J. T. Thompson. Apologies for absence were received from Mrs. C. O'Rourke and Mr. E. Baird.

Sterilising Technique

METHOD DEMONSTRATED AT NEWRY

THERE was a "packed house" at the technical school, Newry, on June 1, when a further demonstration on sterilisation technique (see *C. & D.*, June 2, p. 454) was given by Messrs. G. E. McIlhagger and J. A. Strahan (deputy chief pharmacist and senior pharmacist respectively, Royal Victoria Hospital, Belfast). Mr. A. Templeton (chairman, Local Pharmaceutical Committee) welcomed local pharmacists and three reverend sisters from the Lourdes hospital, Drogheda.

NEWS IN BRIEF

AT the Hertfordshire show at St. Albans on May 17, the Ovaltine Jersey herd gained six awards including the championship and three first prizes.

THE twenty-first anniversary of the first five Toc H volunteers joining the British Empire Leprosy Relief Association was celebrated at a meeting in London on June 6.

A WARRANT has been granted for an extension to the pharmacy department of the Heriot-Watt College, Gilmour's Close, Grassmarket, Edinburgh, at a cost of £34,000.

ACCUSED at Leicester recently of breaking into two Leicester pharmacies belonging to Mr. A. H. Spiers, M.P.S., and Mr. Kelly (Chemists), Ltd., and stealing property and cash, two men were remanded in custody.

EIGHT employees of A. & F. Pears, Ltd., Isleworth, were presented with gold watches on May 25 in recognition of fifteen years' service with the company. The presentation was made by Mr. A. M. Knox (a director, Unilever, Ltd.).

THE Board of Trade is considering the question of renewing for the period August 19 to February 18, 1957, the existing exemptions from Key Industry Duty. Communications should be addressed to Tariff Division, Board of Trade, Horse Guards Avenue, London, S.W.1, not later than June 16.

THE following have been elected officers of the Industrial Pest Control Association for 1956-57: President, Mr. K. F. Goodwin-Bailey (Cooper, McDougall & Robertson, Ltd.); Vice-president, Mr. A. Fraser McIntosh (Thomas Harley, Ltd.); Treasurer, Mr. S. W. Hedcock (Disinfestation, Ltd.); Secretary, Mr. W. A. Williams, Cecil Chambers, 86 Strand, London, W.C.2.

THE following have been elected officers of the National Association of Women Pharmacists for 1956-57: President, Mrs. N. Williams; Vice-



VISITORS FROM U.S.A.: Messrs. Elmer H. Bobst (chairman) and Alfred E. Driscoll (president), Warner-Lambert Pharmaceutical Co., arrive in Britain to visit the British associate companies: William R. Warner & Co., Ltd., Richard Hudnut, Ltd., and the Lambert Chemical Co., Ltd. While in this country they will attend the opening of the companies' new laboratories at Eastleigh, Hants.

Plastics Design

HORNERS COMPANY'S COMPETITION

STUDENTS at 200 art schools throughout England and Wales have been notified of a Horners' Award competition for the design of an article made of plastics. Prizes of up to £52 10s. are being made at the discretion of the council of the British Plastics Federation for designs of articles suitable for moulding or fabricating wholly or mainly from plastics material. The presentation to the winning candidate is to be made at a dinner of the Worshipful Company of Horners.

IRISH NEWS

Treasure Hunt

ULSTER ASSOCIATES' SOCIAL PLAN

THE social subcommittee of the Associates' Section, Ulster Chemists' Association has completed arrangements for a treasure hunt, followed by supper and a dance in Belfast, on July 4. Miss Robinson (social committee) and Mr. G. E. McIlhagger (Associates' Committee) prepared the hunt script. Tickets price 5s. each (drivers free) are available from members of committee and the Ulster Chemists' Association office.

Associates' Section

MEETING OF COMMITTEE

THE May meeting of the Associates' committee was held in Belfast on May 14. Mr. J. E. Morley in the chair. The following applications for Associate-ship were approved:—Apprentices: Misses D. Hall and R. Green. THE SECRETARY read a letter received from



MINISTER OF STATE VISITS FACTORY: Lord Strathclyde (Minister of State for Scotland) visited the cortisone plant of Glaxo Laboratories, Ltd., at Montrose, on May 28, as part of a tour of the north-east of Scotland. He was welcomed at the factory by Sir Robert Hutchings (a director) and by Mr. N. C. Jeffery (factory manager). Lord Strathclyde was shown various stages of cortisone and hydrocortisone manufacture and also inspected the liver extract plant and analytical and process investigation laboratories.

president and Registrar, Miss N. C. Dodd; Treasurer, Miss O. W. Scarlett; Employment Secretary, Mrs. R. Quintrell, 182 Upper Richmond Road, London, S.W.14; Secretary and Editor, Mrs. E. N. J. Jones, 6 Ravenswood Avenue, Rock Ferry, Ches.

SPORT

Bowls. — **ULSTER CHEMISTS' ASSOCIATION BOWLERS**, annual tournament at Belfast bowling green on May 29. Six rinks engaged. Proceeds in aid of Northern Ireland Chemists' Benevolent Fund. Results: *Ulster Chemists' Cup*, 1, G. P. Taylor; 2, J. Goudy; 3 (tie), J. Caldwell, A. Dobbin, M. C. Mooney; *Consolation Prize*, R. A. Johnston. *Visitor's Section*: 1, W. W. Dinnen; 2, L. Jacobs; 3, A. Wilson; *Consolation*, C. McIlveen. Mr. T. A. Ross (captain) thanked Belfast bowling club for the use of the green, and Mr. J. Caldwell for organising the event. Mr. W. S. Hall (president, Ulster Chemists' Association) and Mr. F. Storey were chief guests.

Golf. — **SOUTH LONDON AND SURREY PHARMACISTS GOLFING SOCIETY**, at Mannings Heath golf club on June 3. *Bogey Competition* (prize presented by the secretary, Mr. G. G. Jamieson): 1, F. Jamieson, Shirley Park, 1 up; 2, G. G. Watt, Coulsdon Court, 1 down; 3, G. Penman, Wimbledon Park, 2 down.

DUNDEE PHARMACEUTICAL GOLF CLUB defeated **ABERDEEN CHEMISTS' GOLF TEAM** by 5 games to 2 for the *Cartwright Trophy* on May 30. Three games were halved.

Cricket. — **BIRMINGHAM PHARMACEUTICAL ASSOCIATION CRICKET SECTION v. A. C. NIELSEN CO., LTD.**, Oxford, at Shirley, Birmingham, on June 3. Birmingham won the match in the last over. Nielsen's, batting first, made a total of 153 runs all out—highest scorers being R. White (captain) (62), K. Hamilton (15), and A. Evans (17 not out). G. J. Wetton had a bowling analysis of 4 for 32, and B. C. Norton 3 for 36. The chemists went in with poor batting conditions prevailing, the light becoming progressively worse and a strong cold wind blowing. F. Wilcox (captain) made 64 runs and was ably supported by B. C. Norton (44). With 3 runs required for victory, Wetton went in when the light was very poor, and hit a 4 off the fourth ball of the last over. Nielsen set a high standard of fielding throughout and Hamp and Rose each took 3 for 44.

LOCAL OFFICERS

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS

Merseyside Branch. — *President*, Miss M. C. Dodd; *Vice-president*, Mrs. E. N. J. Jones; *Treasurer*, Mrs. D. H. Evans; *Registrar*, Mrs. E. Short; *Social Secretary*, Miss R. Jones; *Secretary*, Mrs. E. N. J. Jones, 6 Ravenswood Avenue, Rock Ferry, Ches.

PHARMACEUTICAL SOCIETY

Exeter Branch. — *Chairman*, Mr. H. W. H. Payne; *Vice-chairman*, Mr. R. F. Mitchell; *Treasurer*, Mr. R. C. Crisp; *Secretary*, Mr. J. H. Ward, c/o 10 Smythen Street, Exeter.

North Staffordshire Branch. — *Chairman*, Mr. H. H. Morell; *Vice-chairmen*, Messrs. G. R. S. Mee, S. L. Walton; *Treasurer*, Mr. S. J. Mott; *Secretary*, Mr. C. E. Turner, 430 Harshill Road, Hartshill, Stoke-on-Trent.

Birmingham. — *Chairman*, Mr. F. R. C. Bateman; *Vice-chairman*, Mr. D. J. Crawford; *Treasurer*, Mr. G. N. W. Buckingham; *Secretary*, Mr. C. McArdle, 110 Deltene Road, Shirley, Solihull, Warwickshire.

PHARMACEUTICAL ASSOCIATIONS

Liverpool Chemists' Association and Branch. — *President* and *Chairman*, Mr. B. M. Kelly; *Vice-president* and *Vice-chairman*, Mr. H. W. Cottle; *Treasurer*, Mr. E. C. Bourne; *Secretary*, Mr. Denver L. Rees, Laureston, Langlane, West Kirby, Ches.

West Ham. — *President*, Mr. H. A. Horlington; *Vice-presidents*, Mr. M. Blumenthal and Miss Joan Cloud; *Secretary-Treasurer*, Mr. W. H. Cloud, 45 Longbridge Road, Barking, Essex.

TOPICAL REFLECTIONS

By Xrayser

Comings and Goings

It will be agreed, I think, by the practising pharmacist, that the only British Pharmacopoeia which can lay any claim to authenticity is the one on which he himself qualified. Earlier editions must be looked upon as history and regarded somewhat patronisingly as just a little odd and simple, perhaps in some respects even faintly amusing. Later issues, one discovers, are compiled by eccentrics who, with a shocking lack of reverence, delete items which appear hallowed by long usage. After qualifying, an attempt is usually made to come to terms with the first newcomer. Thereafter, with new issues and addenda, the B.P. is found to be thoroughly unreliable as a source of information except to that generation which regards the current issue with the same veneration as earlier editions inspired in ourselves. There must be a fairly large number still practising whose first authority was the B.P. of 1898. There may even be some who cut their teeth on the still earlier issue of 1885, and to pharmacists brought up on either of those editions the list of proposed deletions (p. 456) for the next B.P. of 1958 must read like sacrilege. Imagine a pharmacopœia without liquor arsenicalis and spirit ammon. aromat.! And caffeine—and tincture of digitalis—and compound liquorice powder—and Dr. Gregory's powder! It is kind of the B.P. Commission to break the news gently by describing the list published as "proposed." The preparations singled out above have had a long run, and will presumably find their way into the formulary of the British Pharmaceutical Codex after their removal from the "active" list. Such transfer may surely be regarded as honourable retirement after long service.

Nostalgia

It might be thought that the sentimental reflections expressed above are of a nature to arouse regret that the plans for a home for aged pharmacists did not materialise. Other readers, less charitably disposed, might be excused for thinking that the condition which gave rise to such morbid retrospection would yield to the homely and well-proved seidlitz powder. That may be so. But the B.P. Commission is proposing to delete the time-honoured blue and white papers from the 1958 edition. Then what are we to make of the nomadic emulsion of cod-liver oil, which has been treated so unceremoniously by both B.P. and B.P.C., changing its place of abode from one to another like a guest who outstays his welcome? But the drugs and preparations mentioned are well established in public demand, and are likely to be asked for by those who hold them in esteem regardless of the scientific intention of a Pharmacopœia Commission. Quassia, and fennel and aloin have had long careers compared with those of some preparations scheduled for departure, such as sulphanilamide and some preparations of penicillin and streptomycin. These reflections do not pretend to be scientific, and it is not proposed to deal with the suggested additions. Suffice it to say that the new names lack the poetry of the clove, the fennel and the nutmeg.

The Nutmeg

Presumably the scheduled disappearance of nutmeg and its oil is due to the proposal to delete aromatic spirit of ammonia from the B.P. of 1958. Like other spices, the nutmeg has had a chequered career. Its use in Europe dates to the twelfth century and, in common with clove and cinnamon, nutmeg was a commodity which aroused avarice. After a spell of far eastern trading by the adventurous Portuguese, the control of the spice passed to the Dutch, who acquired a complete monopoly by force in the seventeenth century. Every effort was made to limit the crop to one or two small islands, and to destroy and exterminate it elsewhere. So strong was the monopoly that warehouses in Holland became overstocked, and in 1760 huge quantities of nutmegs were burned in Amsterdam for fear of a fall in price. Scarcity value was appreciated by those who dealt in spices.

OVERSEAS NEWS

FRANCE

Salk Vaccine on Sale

SALK-type poliomyelitis vaccine prepared by the Pasteur Institute is now available in French pharmacies on prescription only. The cost is about 49s., for a course of three inoculations.

SOUTH AFRICA

Indian Hemp Convictions

MORE than 2,750,000 lb. of dagga (Indian hemp) was destroyed by police in South Africa and South-west Africa in 1955, and 23,300 people were prosecuted for growing, possessing, or selling it.

Pharmaceutical Manufacturers

At the annual meeting of the South African Pharmaceutical Manufacturers' Association held in Johannesburg recently, Mr. R. J. Oswald (Maybaker (S.A.) (Pty.), Ltd.) was unanimously re-elected *Chairman*. Mr. E. H. Lambert (Parke, Davis & Co. (Pty.), Ltd.) was unanimously re-elected *Vice-chairman*. The following members were elected to the executive committee:—Messrs. R. M. Martin (B. Owen Jones, Ltd.); A. M. Patt (Scherag (Pty.), Ltd.); N. R. Tuck (Wyethalical (Pty.), Ltd.); C. Quennell (Petersen, Ltd.); B. M. Haugland (Lennon, Ltd.); and Dr. A. Hoffer (Saphar Laboratories, Ltd.). The Midland Chamber of Industries, P.O. Box 3051, Port Elizabeth, were re-appointed secretaries.

GREECE

British Drugs Banned

THE Chemists' Union of Greece is advising its members not to buy British-made drugs until Britain grants self-determination to Cyprus.

RUSSIA

Sclerosis Vaccine Tests

THREE Russian doctors claim to have discovered the causative virus of multiple sclerosis. A vaccine developed by them is being subjected to clinical experiments in Switzerland.

INDIA

Adoption of Metric System

ALL weights, measures, and money in India are being altered by stages to the metric system. Standardisation of weights and measures is an urgent problem in India—a recent survey of 1,100 villages revealed 143 different systems of volume and land areas. The decimal system of coinage is expected to operate from October 2. The Indian Statistical Institute has calculated that metric coinage will save between 10 and 15 per cent. of the time taken in working with rupees, annas, and pice.

UNITED STATES

Golden Anniversary at Convention

AT the one-hundred-and-third convention of the American Pharmaceutical Association held in Detroit, April 8–13, a special general assembly was held to commemorate the golden anniversary of the passage of the Federal Food

and Drugs Act and establishment of the American National Formulary.

Citric Acid Disputes

IT is reported that a citric acid patent suit brought against Chas. Pfizer & Co., Brooklyn, New York, by Ferment-Acid Corporation, New York, has been settled out of court after eighteen months of litigation. Under terms of the accord, Messrs. Pfizer have agreed to pay \$220,000 for use of the Ferment-Acid patent during its remaining five years of life. Ferment-Acid still have a similar citric acid infringement suit pending in U.S. District Court, Southern District of New York, against Miles Laboratories, Inc., Elkhart. The Miles action, also filed in 1944, is for \$1 million in damages.

Bill to Outlaw Heroin

AMONG provisions of a Bill unanimously approved by the United States judiciary committee is one for the abolition of the use of heroin. The Bill was described by the committee's chairman as "declaring open war on illicit trafficking in narcotic drugs." Under the terms of the Bill all legal stocks of heroin in the country would be sold to the Government. More severe penalties for trafficking in heroin extend to life imprisonment or a possible death sentence for a third offence; juries would also be empowered to recommend a sentence of death for its sale to persons under eighteen—the minimum sentence in such cases would be ten years' imprisonment, so rampant has trafficking become among juveniles. The smuggling of marijuana, which has been covered so far by a general law, is also specified under the penal clauses of the Bill. Broader police powers including the right to carry firearms are contemplated for customs agents and members of the narcotics bureau of the Treasury Department; and all known foreign drug addicts would need special permits to enter the United States. The Bill is described as the greatest assault on drug trafficking since the passage of the Harrison Narcotics Act in 1914. The Bill was passed by the Senate on May 31 and now goes before the House of Representatives. The Senate deleted a provision that would have permitted Federal courts to authorise the use of telephone-line tapping to secure evidence in Federal drug cases. That provision was replaced by one imposing heavy penalties for the use of the telephone, post, or any other communications to violate the drug laws. Nearly £200 millions' worth of illegal drugs is reported to change hands in the United States each year, and there are more than 60,000 addicts, increasing at the rate of about 1,000 a month.

PURMA

Visitors to Drug Works

RECENT visitors to the Burma pharmaceutical industry, Rangoon, include Mr. A. Mikoyan (Deputy Premier of the U.S.S.R.), Sir Hubert Rance (a former Governor-General of Burma), and Mr. Dag Hammarskjold (United Nations Secretary-General). It is reported that when Mr. Mikoyan was asked to sign the visitors book he

wrote nearly a page in Russian congratulating everyone concerned on doing a noble job of work in the pharmaceutical project.

CHINA

Low Manufacturing Standards

IN a survey of industry in China published in the *Manchester Guardian* on May 9, conditions in the surgical and pharmaceutical industries were described as seeming particularly bad. A report was quoted stating that "Knives, scissors, forceps and tweezers are neither sharp enough nor sturdily plated. Even after a few sterilisations they become rusty and the hinges loose. Thermometers and injection needles are also always inaccurate and unfit for use." The author stated elsewhere that tablet and powder preparations produced by jointly operated drug factories were not pure and clean, "for there are flies and human hair mixed with them." In the report quoted by the author, a Tientsin "drug factory" technician is recorded as having said: "We always considered in the past that sediment in drugs was caused by poor raw materials; effects of colds and fever after injections was due to poor injection technique and to the patient's physical condition; and that germs appearing in medicines due to leakage in the bottles was a question of the glass."

BRITISH WEST INDIES

Caribbean Pharmacists Confer

UNIFORMITY of both the drug laws and the syllabus for training pharmacists were among matters discussed at the bi-annual conference of the British Caribbean Pharmaceutical Society held in Trinidad, April 24–29. The conference, which was opened by Mr. Norman Tang (Trinidad's Minister of Health and Local Government), was attended by delegates from Barbados, Jamaica, St. Lucia, St. Vincent, Antigua, Grenada, and British Guiana. Reports were presented by local associations, the respective governments, and the secretary-treasurer (Mr. S. E. Anderson, University College of the West Indies). The meeting considered a proposed uniform standard of qualification for acceptance by member governments, the unification of laws and a uniform syllabus for training pharmacists. The secretary said that all governments of the British Caribbean had accepted the Society's aims. The Society had asked for the establishment of a training school at the University College but because of lack of funds that project could not be undertaken at present. A chief pharmacist had now been appointed to the University College staff and the comptroller of development in the West Indies was prepared to release funds for that school, if the Board of Management of the University College could give the assurance that they would assist.

MALAYA

£20,000 Opium Haul

CUSTOMS authorities found seven tins of opium, worth about £20,400 in an abandoned car in Singapore recently.

ONE HUNDRED YEARS OF “SMITH & NEPHEW”

Celebrations at Hull on June 1 of the company's growth from a small pharmacy in the city



Left : Mr. T. J. Smith
Founder of the company



Right : Mr. H. N. Smith
The “nephew” in the title

IT has been said quite recently (*C. & D.*, May 26, p. 437) that many of the great names of the early membership of the Pharmaceutical Society are today perpetuated in the titles of world-renowned manufacturing houses. One of those houses (its founder was the twelfth in chronological order to gain the Major qualification of the Society) celebrated its centenary at Hull on June 1 in circumstances that promise continued expansion in the future towards new frontiers of achievement.

A centenary luncheon in Hull on June 1 to celebrate the company's hundredth birthday, was attended by

the opportunity to pay tribute to a company to which the nation and its Armed Forces owed much. But great war demands created big problems when war requirements suddenly ceased. Skill and enterprise had been exercised by the directors and executives of the Smith Group in dealing with the problems of transfer to a peace-time economy.

Origins of the Company

The foundations of the company were laid in the small chemist shop which Thomas James Smith, M.P.S., set up in Whitefriargate in 1856. What distinguished the business almost at once from the general run of pharmacies of the period is revealed by a local directory entry of the time, in which T. J. Smith is described both as “F.G.S., M.P.S.” and as “sole agents for Lipscombe's patent filters.” The filters have long since passed out of prominence, and are instanced as evidence of an aspiration towards the bigger things of the wholesale trade. T. J. Smith is described in the company's centenary commemorative book as having “an inquiring mind and an interest in medicine and its organisation,” and there can have been few pharmacists of the period who became, like T. J. Smith, a Fellow of the Geological Society.

The interest in medical matters showed itself in the pioneer work he put in on cod-liver oil. He made experiments aimed at improving the colour, flavour and quality of the oil, which was commonly at that time, though much in use at hospitals,

brown, fishy and unpalatable. The Norwegians were producing a better product by removing stearine from it by a new process, and T. J. Smith visited Norway to gain all the information he could from the source. He was the first Englishman to go to that country with an interest in the oil. He did good business in Norway, buying 750 gall. of superior-quality oil at 3s. 6d. per gall. Today's price, as quoted in the *C. & D.* Trade Report, is 11s. 6d. per gall., but the price prevailing in London at the time was 4s. 9d. per gall. In 1861 the resident apothecary at Charing Cross Hospital, London, gave a written testimonial that Smith's cod-liver oil was “quite as efficacious as those oils for which we have been paying a much higher price. I can speak as to its being free from any nauseous taste from my own experience.” Smith found opportunity while in Norway for another activity which proves his enterprise and adventure. He photographed the Midnight Sun (by the wet-plate process).

How the retail side of the Whitefriargate pharmacy progressed is not on record, but by 1861 the premises had become too small for the wholesale and cod-liver oil activities, and new premises were taken at North Church Side, Hull. For many years now cod-liver oil has not been dealt in by the company, but it was in those days the most important commodity and remained so until well after the turn of the century. In 1883 the oil of Mr. Smith earned for him the only gold medal awarded to a British exhibitor for cod-liver oil at an exhibition.

Mr. L. S. Long (a director of Smith & Nephew Associated Companies, Ltd.) answers a question put by Mr. E. A. Brocklehurst, M.P.S. (sheriff of Hull and a past-president of the Pharmaceutical Society).

distinguished medical, pharmaceutical and civic guests, including Mr. H. Steinman (president of the Pharmaceutical Society), Dr. H. Davis (chief pharmacist, Ministry of Health), Messrs. A. Aldington and H. Noble (chairman and secretary, National Pharmaceutical Union), Dr. K. R. Capper (editor, British Pharmaceutical Codex), Messrs. A. Brown and J. J. Small (president and secretary, Hull Chemists' Association), L. B. Tansley (chairman of the surgical dressings subcommittee, British Pharmaceutical Codex), Mr. Llewellyn G. Jones, M.P.S., Miss C. E. Mozley-Stark, F.P.S. (technical officer, Ministry of Health) and the Sheriff of Hull (Mr. E. A. Brocklehurst, M.P.S.) and his lady (Mrs. E. A. Brocklehurst, M.P.S.).

Sir Cecil Weir (director-general of equipment and stores, Ministry of Supply, 1939-45 war), who proposed a toast to the company, said that it gave him



The packaging of Nivea crème explained by the assistant works manager (Mr. W. B. Bygott) to a sight-seeing party which included the lord mayor of Hull (Alderman H. Kneeshaw).

T. J. Smith was active also in local affairs — a town councillor and a holder of a succession of offices in the chamber of commerce. But he was a bachelor, and when his health began to fail his sister with whom he lived invited their nephew, Horatio Nelson Smith, in 1896 to join his uncle in the business. A partnership was created under the style T. J. Smith & Nephew, and within a few months the senior partner had died.

The new proprietor came to the business with a training and experience gained in the textile industry, an interest that quickly became predominant and eventually brought the business to its present stature.

Conversion to Limited Company

The move to Neptune Street was made in 1907, when also the business was converted into a limited company (capital £207). A landmark was to secure in 1911 a contract for the supply of dressings to the Turkish War Office for use by the Turkish Army then fighting a war against Italy. Another significant development in the same year was the start of manufacture in Canada.

Thereafter the development of the company (or later Group) may be gauged by the date table below:

- 1912 Buys up small sanitary-towel manufacturer in Leicester and transfers business [forerunner to Lilia, Ltd.] to Hull.
- 1914-18. Employees at outbreak of war: 50; at close: 1,200.
- 1920 Forms Smith & Nephew (Manchester), Ltd., for manufacture of light clothing.
- 1931 Forms South African subsidiary.
- 1937 Becomes a public company. Acquires a bleach works.
- 1939-45 Acquires interest in weaving company.
- 1950 Forms Australian company.
- 1951 Buys Herts Pharmaceuticals, Ltd.
- 1952 Forms Smith & Nephew Research, Ltd.
- 1953 Acquires Glen Mills, Ltd.
- 1954 Forms Smith & Nephew, Ltd., a marketing company. Employees: 4,000.
- 1955 Opens South African factory. Group acquires a New York company and forms Smith & Nephew, Inc., New York.
- 1956 Acquires S. & R. J. Everett, Ltd., makers of hypodermic equipment. Forms with Arthur Berton, Ltd., a marketing organisation, Lilia-White (Sales), Ltd.

But the company's expansion is more rationally geared to its products. Experimental work leading to the launching of Elastoplast began in 1928. The product "spectacularly and immediately revolutionised the treatment of varicose veins and ulcers," and today the elastic first-aid dressing is ubiquitous. Gypsona plaster of Paris was introduced in 1930. Its success depended on a great deal of work in educating the medical profession to take it up but today it is used as a matter of course throughout the world. Airstrip, introduced in 1956, bids fair to become as universally popular as Elastoplast.

The recent taking over, with Nivea, of the PAS specialities of Herts Pharmaceuticals, Ltd., and setting-up of a research company may prove that the wheel

has turned full circle, putting the company right back in the forefront of pharmaceutical manufacture in the strictest sense.

NATIONAL PHARMACEUTICAL UNION

Monthly meeting of Executive

THE Executive Committee of the N.P.U. met in London on May 30, Mr. Allen Aldington in the chair. Matters discussed included developments in the plans for the Mallinson Memorial, the recent area conference at Southend-on-Sea, resolutions from branches, the Restrictive Trade Practices Bill and the Joint Industrial Council agreement.

The outside representative of the Union was reported to have visited during April members in the Leicestershire area, and in the districts of Folkestone and Dover. The Marketing Policy Committee was asked to deal with a number of resolutions forwarded from the Southend conference; other resolutions were remitted to the C.F. Council and Central N.H.S. Committee. Preliminary plans were confirmed for an area conference to be held at Leamington Spa on October 27 and 28, and publicity for that conference was embarked upon.

A resolution from the Cardiff Branch, N.P.U., asking that the N.P.U. should refuse membership to chemists handling welfare foods without profit, was fully discussed. It was agreed that final sanctions of that kind should not be applied, but that a personal approach should be made to members known to be supplying foods in that way in an effort to persuade them that it was not in their best interests to do so.

The opinion of the Executive Committee was given to members of the employers' side of the J.I.C. on a suggested revision of the agreement, put forward by the staff side. A date for discussions was agreed.

THE TREASURER (Mr. S. J. Stearn), as chairman of the Accounts Committee, satisfactorily answered queries on his report.

MR. W. TALVAN REES, as chairman of the Business Services Committee for the year, summarised outstanding applications for loans and reported progress on cases in hand. Mr. Rees also reported, as vice-president of the Chemists Federation, on C.F. activities.

The newly formed Marketing Policy Committee, armed with a fully formulated plan of campaign, discussed many points affecting the business interest of members. Suggestions were made for implementing actions agreed upon. All are being reported upon in due course, but it was considered unwise to publicise the decisions before the reports are presented.

MR. G. T. M. DAVID briefly reported on a meeting of the Publications and Price List Committee, and it was agreed to insert a note in a future issue of the Pink Supplement clarifying the position of the pharmacist in relation to the Food and Hygiene Regulations, 1955. Price cards for talcum powders, shaving creams and films are being distributed to members shortly, and it was noted that olive oil was cheaper to purchase by retail from a

multiple chemist than from normal wholesalers. It was agreed to make available to members a series of showcards for topical window displays.

THE CHAIRMAN of the Central N.H.S. (Chemist Contractors) Committee (Mr. G. T. M. Graham) reported fully on his Committee's deliberations, dealing with the "main remuneration" and "container allowance" claims; the position in prescription pricing; arrangements for the next cycle of doctor sorting; packing of penicillin lozenges; B.P.C. tolerances; rural-area dispensing; oxygen; and finally with trusses and hosiery. It was agreed that an N.P.U. deputation should meet representatives of the Codex Revision Committee to discuss tolerances.

Other meetings held were the annual meetings of N.P.U., Ltd., and the Chemists' Sicknes and Provident Society, the monthly meeting of the Provident Society's executive, and a meeting of the Apprenticeship Committee, whose plans, it is hoped, will give members the opportunity of training apprentices and playing their full part in educating future pharmacists—to the advantage of individuals and of pharmacy.

BIRTHDAY HONOURS

AWARDS in the Queen's Birthday Honours list published on May 31 include the following:—Baron, Sir Henry Cohen (professor of medicine, Liverpool University); Lieutenant-General Sir Ronald Moree Weeks (president, British Scientific Instrument Research Association); Knight Bachelor, Dr. Samuel Phillips Bedson (professor emeritus of bacteriology, London University); K.B.E., Sir Thomas Ralph Merton (treasurer, Royal Society); C.B.E., Mr. R. M. Currie (head of work study department, Imperial Chemical Industries, Ltd.); Mr. Norman C. Roland (assistant secretary, Ministry of Health); O.B.E., Mr. T. W. Cynog-Jones (head of the research department, Union of Shop, Distributive and Allied Workers); Mr. A. H. King (principal, Ministry of Health); Mr. A. H. Lewis (director, Jealott's Hill Research Station, Imperial Chemical Industries, Ltd.); M.B.E., Mr. L. H. Barton, F.P.S. (senior technical officer, Ministry of Health); Mr. J. B. Brennan (general secretary, Institution of Chemical Engineers); B.E.M., Miss D. W. Foxwell (dispensing assistant, West Herts Hospital); Mr. John E. Hughes, M.P.S. (chief instructor and technical reconnaissance officer, Civil Defence Corps, Brighton); Mrs. Jean Mackie (wife of Mr. A. I. Mackie, M.P.S., Peterculter, Aberdeen); Mr. R. W. Jackson (chargehand, Albright & Wilson, Ltd.).

Mr. G. Maurice Hann (lately full-time member, Industrial Court, and a former secretary, Trade Union side, National Joint Industrial Council for Retail Pharmacy) has also been awarded a C.B.E.

IN PARLIAMENT

MR. W. F. DEEDES (Joint Under-Secretary of State, Home Office) told MR. N. N. DODDS on May 31 that the Minister agreed that the law on the closing hours of shops required amendment but there was the difficulty of finding Parliamentary time.

Fruit Drink Standards

MR. HEATHCOAT AMORY (Minister of Food) told SIR HUGH LINSTEAD, in a written answer on May 31, that the Food Standards Committee working party on standards for fruit squashes and fruit drinks was consulting manufacturers and public analysts about the interpretation of the results of chemical analyses of fruit squashes and fruit drinks, and hoped to report to the Food Standards Committee shortly. The Committee would need to consider that report in relation to other aspects of the Food Standards (Soft Drinks) Order, which it now had under review.

Committees on N.H.S. Matters

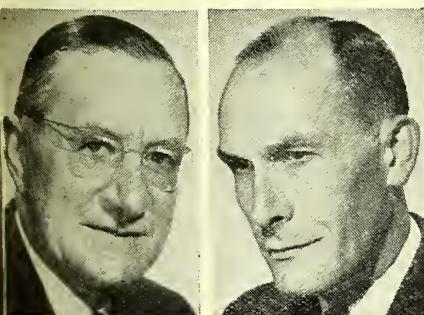
MR. R. H. TURTON (Minister of Health) told DR. D. JOHNSON, in a written answer on June 4, that memberships of committees on aspects of the National Health Service was as follows:—
Committee on Hospital Supplies: Sir Frederick Messer (chairman); Alderman A. F. Bradbeer; Professor Sir Henry Cohen; Mr. P. H. Constable; Sir Basil Gibson; the Hon. Sir Arthur Howard; Mr. H. Lesser; Sir George Martin; Mr. T. E. Parker; Mr. F. S. Stancliffe; Captain J. E. Stone. *Joint Subcommittee on the Control of Dangerous Drugs and Poisons in Hospitals:* Miss J. Aitken (chairman); Sir Ernest Rock Carling; Miss K. G. Douglas; Miss B. N. Fawkes; Mr. C. R. Jolly; Mr. J. B. Lloyd, M.P.S.; Mr. W. G. Masefield; Mr. S. C. Merivale; Miss A. E. A. Squibbs; Mr. W. Trillwood, M.P.S.; and Mr. J. H. Wood, M.P.S.

The Copyright Bill, which has already passed through the House of Lords, was given its second reading in the House of Commons on June 4.

COMPANY NEWS

Last year's figures in parentheses

S. MAW, SON & SONS, LTD.—Messrs. E. J. Else and C. H. Pleasants were appointed additional directors on May 30. Mr. Else joined the company over three years ago as home sales manager. Mr. Pleasants com-



Mr. C. H. Pleasants

Mr. E. J. Else

menced his career with the company forty-one years ago. He has recently been responsible for undertaking a

major reorganisation of the company's storage and distribution arrangements.

BOVRIL, LTD.—A final dividend of 13½ per cent. (12½ per cent.) is recommended on the Deferred capital making 16 per cent. for 1955 (15 per cent.). Group profit after all charges including taxation of £270,529 (£418,448), is £357,977 (£342,203).

LAPORTE INDUSTRIES, LTD.—Group income for year ended March 31 is £1,687,655 (£1,504,263); tax, £719,549 (£562,378) and balance, £968,106 (£941,885). A final dividend of 11 per cent. on capital increased by "rights" issue in November 1955 is recommended.

UNICHEM, LTD.—The annual meeting of the company and of the Unichem Association was held on May 30, Mr. D. A. Rees, F.P.S., in the chair. The annual report showed a year of record progress, increased overhead charges having been absorbed by increased efficiency. The final net profit was £28,150 (£15,125). Growth in membership had been limited as a matter of policy but, at the end of 1955, 1,045 pharmacies were in membership with a waiting list of prospective new members. A dividend of 8 per cent. on the Ordinary shares was declared, the Preference dividend of 6 per cent. having been paid. The amount set aside for taxation was £14,312 (£8,294) and carry forward, £1,488 (£1,371).

BUSINESS CHANGES

MR. J. Green, M.P.S., has acquired the pharmacy of Mr. W. D. Rowe, 29 Station Road, Bognor Regis, Sussex.

GEO. HULL, LTD., drysalters and chemical merchants, are removing to 28 Horse Fair, Birmingham, 1, on June 18.

TRUFOOD, LTD., are opening new premises for their London office on June 16 at 113 Newington Causeway, London, S.E.1 (telephone: Hop 5964).

SAVORY & MOORE, LTD., have acquired the premises of Mr. Thomas Stafford, M.P.S., 138 Ensbury Park Road, Winton, Hants. The company's branch at 17 Bull Street, Birmingham (T. & W. & W. Southall, Ltd.) was closed on June 2.

GENATOSAN, LTD., Loughborough, Leics, have made alterations to the organisation of the commercial department resulting in promotion of the following: Mr. A. E. Gaylon to be pharmaceutical marketing controller; Mr. N. T. Carter, M.P.S., and Mr. S. H. House to be product group managers.

Appointments

C. J. HEWLETT & SON, LTD., King George's Avenue, Watford, Herts, have appointed Mr. E. M. Bradbury, B.Sc., their medical representative for the Home Counties north of the Thames.

MORNY, LTD., 64 Wadsworth Road, Perivale, Middlesex, have appointed Mr. T. C. W. Wood their sales manager. Mr. Wood was formerly with Paines & Byrne, Ltd., Perivale.

BAIRD & TATLOCK (LONDON), LTD.—Mr. J. B. Longman has been appointed technical sales representative for South London and South-east England.

MARRIAGES

Golden Wedding

FORRESTER—GRANT.—At Holy Trinity Church, Wimbledon, London, S.W.19, on June 9, 1906, George Peters Forrester (a former Editor of THE CHEMIST AND DRUGGIST) to Flora Beatrice Grant. Present address: 17 Uphill Road, Mill Hill, London, N.W.7.

Silver Wedding

FLEMING—SCOBIE.—On May 30, 1931, Stanley J. Fleming, M.P.S., to Agnes M. Scobie. Present address: 52 High Street, Tranent, East Lothian.

DEATHS

HUMPHREYS.—On May 29, Mr. William Hugh Humphreys, M.P.S., c/o 19 High Street, Malmesbury, Wilts, aged fifty. Mr. Humphreys had been manager of the Malmesbury branch of Boots, Ltd., for the past fourteen years.

JOHN.—Recently, Mr. Daniel Thomas John, M.P.S., c/o Abersychan and Pontypool Co-operative Society, Ltd., High Street, Abersychan, Mon. Mr. John qualified in 1921.

KERRIDGE.—At his home in Sea Point, Cape Province, South Africa, on April 25, Mr. Reginald Charles Kerridge. Mr. Kerridge qualified as a chemist and druggist in 1910. He joined the Pharmaceutical Society of Southern Rhodesia in 1914 and was elected treasurer of the Society in the same year and secretary the following year, holding that position for eight years. He was president of the Society for three years from 1935 and was given life membership in 1955. He was a Freemason.

MILLS.—On May 13, Mrs. Jane Caroline Mills, M.P.S., 307 Seabank Road, Wallasey, Ches. Mrs. Mills qualified in 1920.

NEUBERG.—At his home in New York, on May 30, Dr. Carl Alexander Neuberg, aged seventy-eight. Dr. Neuberg was a former director of the Kaiser Wilhelm Institute of Biochemistry and Experimental Therapy. He taught at the Pathological Institute, Berlin, 1903–38. In 1941 he was appointed to a research professorship in New York University. He held that until 1950, and from 1951 he had held a similar post at New York Medical College.

O'REILLY.—In 1955, Mrs. Nancy Lindsay O'Reilly, M.P.S., 25 Richmond Avenue, Bognor Regis, Sussex. Mrs. O'Reilly qualified in 1921.

PEEBLES.—On May 18, Miss Isabella Peebles, M.P.S., 1 Sciennes Road, Edinburgh, aged forty-eight.

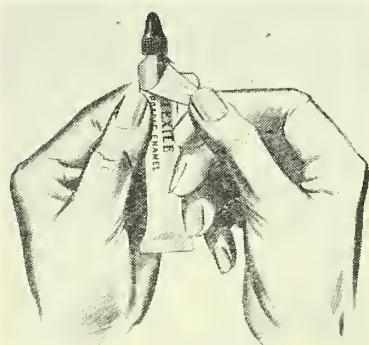
WAINMAN.—On May 29, Mr. Harry Leslie Wainman, M.P.S., 43 Albert Street, Mansfield, Notts, aged fifty. Mr. Wainman was in business at Pecks Hill, Mansfield, for nearly twenty years. Prior to that he managed a pharmacy in Somercotes, Derby. He was unmarried and is survived by three brothers.

WARBURTON.—Recently, Mr. Alfred Nelson Warburton, M.P.S., 139 Bradford Road, Manchester, 10, aged fifty-eight.

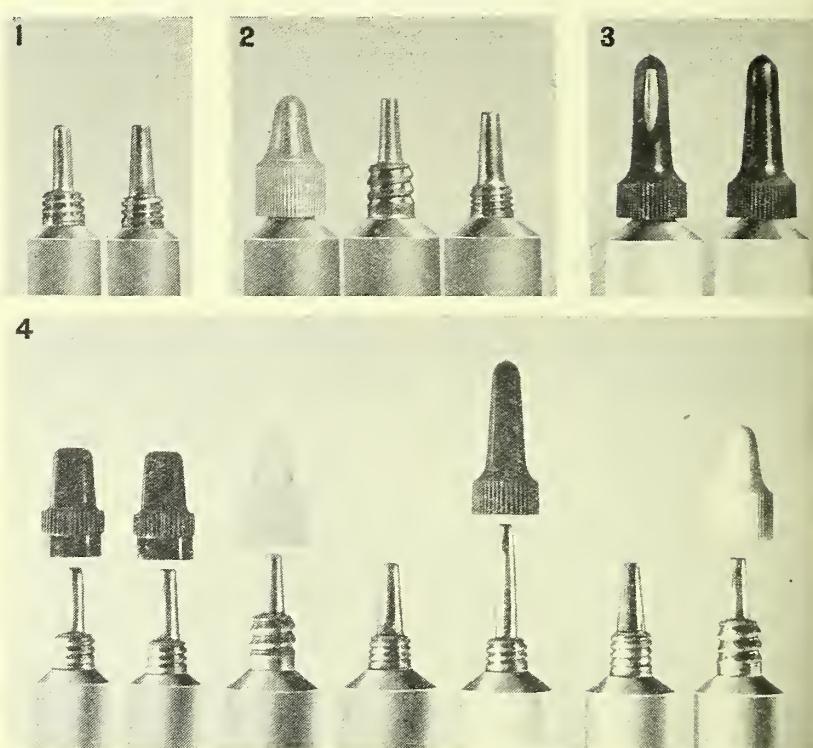
PACKAGING NOTES

Elongated Nozzle Tubes. — In the range of elongated nozzle tubes offered by Betts & Co., Ltd., Holloway Mills, Elthorne Road, London, N.19, and here illustrated, are:—1, A conical canula for human-eye application and straight-walled canula on $\frac{1}{4}$ -in. diameter tube for application to cows' udders for anti-bovine mastitis, etc. 2, Improvements in closure and threads; the right-hand tube shows the straightforward thread compared with the buttress thread for use with polythene translucent caps (they enable the cap to grip the tube firmly and seal the orifice without damaging the canula). The translucent cap also shows the perfect fit of the metal nozzle inside. 3, An extremely long canula with a black elongated polythene cap; in this case the thread is standard, and one cap has been cut away to show the perfect fit on the inside, which prevents leakage in transit. 4, A variety of collapsible tubes with their caps.

"Strippable Enamel" Tube Coatings. — A new development in collapsible tubes offered by Flexile Metal Co., Ltd., 796 Holloway Road, London, N.19, is known as Flexile strippable enamel. It is of special interest to manufacturing chemists using collapsible tubes to pack prescription items, replacing the method of using plain metal or plain enamelled tubes which, after filling, are given a paper label carrying the product details and designed for easy removal at the time of dispensing. Labelling filled tubes is expensive and extravagant of labour. By the Flexile method the tubes are delivered to the filler enamelled and printed with any text the manufacturer may require, and in any number of colours up to four. The enamel is bright and glossy in appearance, indistinguishable from ordinary enamel, and can be supplied in any colour. When the pharmacist dispenses the pack he has only to insert a thumbnail or a knife under the



enamel and the whole coat peels off cleanly, leaving a bright surface underneath on which he can place his own label. The method saves the manufacturer time, trouble and labour, and the appearance of the tube is more attractive than that of a paper-labelled tube. There is, too, no possibility of wrong labelling at the time of packing or of the label becoming accidentally detached. Tubes coated with Flexile strippable enamel cost no more than ordinary



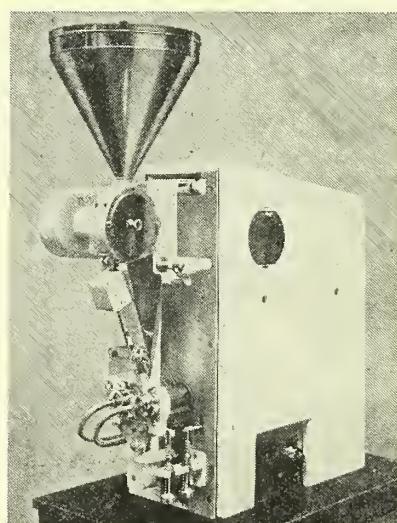
1, 2 and 3 : Straight-walled and conical canulas on $\frac{1}{4}$ -in. diameter tubes; standard threads and buttress threads on $\frac{1}{4}$ -in. diameter tubes; elongated long canula fitted with black polythene cap, one cut down to show fitting on inside. 4 : Variety of canulas, thread formations and caps. (Betts & Co., Ltd.).

printed tubes. Samples are available on application to the company at the address given.

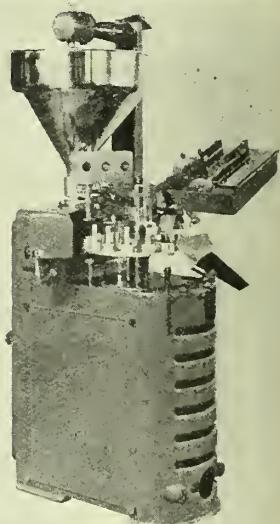
Transport of Fluids. — "New Transport Containers for Fluids," technical digest No. EPA/464 in a series produced by the European Productivity Agency, deals with a polyvinyl chloride bag in stiff collapsible container. Copies of the digest are obtainable on application to the Department of Scientific and Industrial Research (T.I.D.U.). The

address to which to write is 15 Regent Street, London, S.W.1.

Stock Plastic Boxes. — Plastic Box Co., Ltd., King Street, Market Rasen, Lincs, manufacture an extensive stock range of boxes, and can supply manufacturers with small or large quantities at a saving of tooling costs over specially commissioned boxes.



Autopack sachet-making and filling machine (see C. & D., December 17, 1955, p. 688), the makers of which are Autopack, Ltd., Caroline Street, Birmingham, 3.



SEMI-AUTOMATIC TUBE FILLING: The Kalix-Dupuy model Super RV7 semi-automatic tube filling machine (agents : Flexile Metal Co., Ltd., 796 Holloway Road, London, N.19), is as illustrated above, and not as depicted on a previous occasion in these columns.

NEW PRODUCTS AND PACKS

Cream Home "Perm." — Adorn, a cream home "perm" in cartoned tube, is being launched by Toni Cosmetics, Ltd., Harlequin Avenue, Brentford, Middlesex.

"Velvety" Suntan Cream. — Arthur H. Cox & Co., Ltd., Brighton, Sussex, are marketing a new suntan cream, Tan-Glo, which is issued in a cartoned tube in display outer of 1 doz.

Non-spill Measuring Spoon. — The non-spill measuring spoon, illustrated,



moulded in polystyrene, has been introduced by E. K. Cole, Ltd., Ekco Works, Southend-on-Sea, Essex, for use in kitchen, sickroom or nursery.

After-shave Lotion. — Groom after-shave lotion, issued under a "slick, clean" label with matching carton by Eric C. Cleaver, Ltd., Pilchergate, Nottingham, is a cooling, slightly astringent preparation equally suitable for use after razor or electric shaver. A companion product, Groom hair vitalizer, issued in cartoned white tube, is described as "both a treatment and a dressing."

New Variety of Homogenised Food. — A new variety, oxtail and vegetables, is being added to the Spoonfoods range of strained and homogenised infant foods available from Trufood, Ltd., The Creameries, Wrenbury, Ches. Intended for babies from age 4-5 months, it is made from oxtail, carrots, potatoes, onions, haricot beans, peas and tomatoes. Its strong meat flavour should appeal to infants and make the food useful for invalids. The pack is a 2½-oz. glass jar.

Oxytetracycline Suspension. — Pfizer, Ltd., 137 Sandgate Road, Folkestone, Kent, have introduced Terramycin syrup, a ready-prepared aqueous suspension containing in each large tea-spoonful 125 mgm. of oxytetracycline as calcium dioxytetracycline salt. The product is a cherry-flavoured syrup leaving no after-taste and regarded as

specially suitable for children. It is described as exceptionally stable and capable of a shelf life of two years. Terramycin syrup is issued in 60-mil bottle with plastic spoon.

New Approach to Xanthine Therapy. — Manufactured under licence, Choledyl choline theophyllinate is being marketed by Allen & Hanburys, Ltd., Bethnal Green, London, E.2. The product is described as "a completely new approach to oral xanthine therapy," and is claimed clinically superior to aminophylline given orally (producing theophylline blood levels up to 76 per cent. higher than that compound). Choledyl is indicated as a bronchodilator in the treatment of bronchial asthma, as a diuretic for the management of congestive heart failure, and as a coronary vasodilator in the treatment of angina pectoris. It is available as pink tablets containing 100 mgm. and yellow tablets containing 200 mgm. each of choline theophyllinate; the tablets are in bottles of 100 and 500.

"Permanent" Lipstick. — Miner's Super-Stay lipstick, manufactured by Henry C. Miner, Ltd., Hook Rise, Surbiton, Surrey, is claimed to give "that lasting luminous look" and to be "as nearly permanent as a lipstick can be." Super-Stay is available in sky, coral, spring and summer pinks, and in autumn and winter reds. It is presented in the new fashion of interchange swivel refills to fit a luxury holder. Super-Stay nail lacquer, a companion item, is available in the shades already listed plus clear, natural and natural pink.

Foundation Cream and "Long-cling" Powder. — J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1, have launched a new make-up — "a soft, velvety-tinted foundation cream and a long-cling powder," each in soft pink shading. They are entitled Rose Theme, and are designed to give a soft rose look to skin of every depth and colour from pale blonde to deep brunette. The tinted foundation cream is in four shades: Peach rose, softest rose, rose rachel and honey rose. The face pow-

der: Naturelle, peach rose, softest rose, sun glint, honey rose and Spanish gold.

Hydrocortisone Snuff Capsules. — The Armour Laboratories (Armour & Co., Ltd.), Hampden Park, Eastbourne, Sussex, have made available hydrocortisone-acetate snuff capsules for use in the Armour powder insufflator. The capsules are packed in tubes of six, twelve and twenty-five. The use of cortisone locally as an application to the nasal mucosa has recently tended to replace the use of decongestants and antihistamines for that purpose. The technique of applying cortisone as a snuff is made easy and convenient by the use of the Armour insufflator, designed specially for the purpose. Use of the snuff is claimed to be entirely without ill-effects or side-reactions.

New Cosmetics and Widened Distribution. — Rimmel, Ltd., 118 Park Lane, London, W.1, are marketing Flowers-in-ice floral Colognes in easy-to-apply sticks "for day-long cool fragrance" and a suntan cream in beach-bag size. Distribution of the Rimmel Is. 3d. preparations, tried out in Manchester, is being widened until it becomes national, and recently a new type of tray was brought out, made of wood



and hardboard. The series has been enlarged to include liquid make-up, face powder, lipsticks, cream rouge, perfume, Colognes, eye beauty pencils, and eye shadow.



CONFERENCE, DINNER AND PRESENTATION: William R. Warner & Co., Ltd., Power Road, London, W.4, held a conference at Richmond, May 17 and 18, to introduce their new product Covatin (see C. & D., June 2, p. 461). The conference was attended by Drs. Hubner and Pedersen (of the company of Lundbeck, Copenhagen, Denmark, which first developed the drug). At a dinner on May 17 the medical representatives made a presentation to Mr. K. J. Golds, on the occasion of his transfer from being director-in-charge of the Warner ethical sales division to being director-in-charge of administration for the associated companies William R. Warner & Co., Ltd., Richard Hudnut, Ltd., and the Lambert Chemical Co., Ltd.



TABLETS AGAINST OVER-ANXIETY: The fifty- and 100-tablet packs of Covatin anti-anxiety drug marketed by William R. Warner & Co., Ltd., Power Road, London, W.4.

Tinted Foundations. — Innoxa (England), Ltd., 170 New Bond Street, London, W.1, have launched two new tinted foundations for keeping the skin moist and protecting it against the dust and dirt in the air. The first, Compliment, is intended specially for normal and dry skins; the other, Skin Bloom, for greasy. Both are available in three shades. Because of expected heavy demands, it is thought unlikely that every stockist will have supplies before the end of August. Messrs. Innoxa are re-styling and re-packaging all their products. A feature of the new packs is that the tops of the bottles are flat for easy display.

TRADE NOTES

Holiday Emergency Kit. — Savory & Moore, Ltd., 60 Welbeck Street, London, W.1, are marketing the compact



emergency first-aid kit for holiday-makers here illustrated.

Year Book Correction. — In the C. & D. Year-book and Diary, 1956, p. 191, the entry "Optrex Eye Compresors" should be corrected to read "Optrex Eye Compresses."

Returns for Credit. — To clear the field for the company's Double Event lipstick and quick-change refill, Yardley & Co., Ltd., 33 Old Bond Street, London, W.1, ask retailers to return remaining stocks of the old style lipstick and refills between June 1 and June 30.

Now in Spray Container. — Ardena suntan lotion is now being issued by Elizabeth Arden, Ltd., 25 Old Bond Street, London, W.1, in an aerosol spray container. The lotion is described as "cooling, greaseless, invisible and waterproof."

Raspberry-flavoured Aspirins. — E.G.H. Laboratories, Ltd., Peru Street, Salford, 3, Lancs, are manufacturers of Rasprin 1½-gr. raspberry-flavoured aspirin tablets for supply on prescription. Put forward as a convenient, acceptable and safe means of administering aspirin to young children, the pack of ten tablets only (a maximum of gr. 12½ per vial) provides a safeguard against accidental overdoses. The product is not advertised to the public.

Changes of Pack. — A. & G. Nicholas, Ltd., Slough, Bucks, are replacing the 15-mgm. and 300-mgm. packs of Daptazole (amphenazole) for injection by vials containing 30 mgm. and 150 mgm. respectively. The change is understood to be the result of further clinical experience with the product. The 30-mgm. vial is issued in boxes of six and 25, and the 150-mgm. vial singly. Both Daptazole and Megimide (bermeotide) are prescribable on EC10 forms.

furt-on-Main, Germany, May 31 to June 8, 1958. The organisers are the Deutsche Gesellschaft für Chemisches Apparatewesen E.V., Dechema-Haus, Rheingau-Allee 25, Frankfurt.



DISPLAY OUTER: Counter displaypiece holding twelve Go stick deodorant in push-up case. The makers are Freshness, Ltd., 38 Orsman Road, London, N.1.

Compact Sun-Lamp. — The Actinea portable sun-lamp, manufactured by Perihel, Ltd., 29 Rabbit Row, London,



"DISPENSER" SHOWCARD: Display and sales card produced by Wilkinson Sword, Ltd., Southfield Road, London, W.4, to take twelve nail nippers, including one on display. The nippers may be dispensed from the rear by breaking open seals at either side.

Holiday Closings

FIBRENYLE, LTD., 157 Dukes Road, London, W.3, makers of Skylon polythene bottles and jars. From Saturday, July 21 to Monday, August 6, skeleton staff available to deal with urgent correspondence.

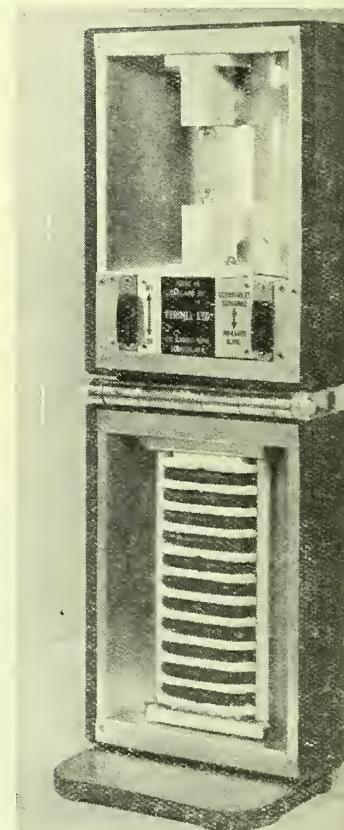
Bonus Offer

CROOKES LABORATORIES, LTD., Park Royal, London, N.W.10. Standard bonus parcel for Crookes halibut oil and capsules withdrawn from June 30. New bonus parcels available from September 1.

Exhibitions

MACHINERY FAIR, Utrecht. — The Vochema fair, showing machinery and apparatus for the chemical, pharmaceutical and other industries, is being held at Utrecht, Holland, October 9-17.

ACHEMA, 1958. — The twelfth Chemical Apparatus and Equipment Congress and Exhibition, takes place in Frank-



W.8, provides both ultra-violet and infra-red radiation. It comprises two case reflectors which close one upon the other in a unit that weighs only 5 lb. A twelve-month guarantee goes with the lamp. The customer requires to have a prescription.

Factory Expansion.—Fibrenyle, Ltd., 157 Dukes Road, London, W.3, have taken over at Park Royal, London, another factory that is more than twice the size of their present Dukes Road premises.

Iodo-chemicals.—H. J. Miller, 82 Mortimer Street, London, W.1, are manufacturers of *p*-iodo aniline, *p*-diiodo benzene and *p*-iodo phenol. They also make pinacyanol and di-n-butyl ketone.

Special Parcel.—Richard Daniel & Son, Ltd., Mansfield Road, Derby, and Grosvenor Street, Ashton-under-Lyne, offer to send post-free to the address of any chemist twelve boxes of suppositories (for example, six of suppos. bism. subgall. and six of suppos. bism. subgall. co.). The suppositories so dispatched are charged through usual wholesaler.

Plaster Casts for Injured Birds.—In New Zealand, of thirty kiwis treated recently for broken legs, only the two fitted with Gypsona plaster casts survived. The Gypsona procedure was to clean up the site of the fracture, apply a sulphathiazole powder and then the plaster, finally protecting with a waterproof adhesive dressing. The leg of each Gypsona-treated kiwi was completely healed within a fortnight, and the bird suffered no ill-effects. The remainder died from gangrene, an infection to which the kiwi is specially susceptible. The manufacturers of Gypsona are Smith & Nephew, Ltd., Bessemer Road, Welwyn Garden City, Herts.

Gastric Tablets.—V.B. & G. Products, Ltd., 8 Northampton Street, Leicester, invite chemists to write for trade terms of their Meda 500 gastric tablet's.



SELF-SERVICE : Display and sales stand produced for Ribena blackcurrant drink by the manufacturers, Beecham Foods, Ltd., Great West Road, Brentford, Middlesex.

Pensions for the Self-employed.—A leaflet illustrating pension plans specially designed to secure maximum advantage from the proposals of the Finance Bill, 1956, is available from the Eagle Star Insurance Co., Ltd., 22 Arlington Street, London, S.W.1.

Below : A MAKER SHOWS HIS DISPLAY MATTER : Window display specially arranged to illustrate the show material available for Mothaks and how it may be used to the best advantage. The manufacturers are Thompson & Capper Wholesale, Ltd., Speke, Liverpool, 19.

Vitamin-C Content on Labels.—The ascorbic-acid contents of Vigortone blackcurrant juice and Or-lem fresh crushed oranges and lemons are declared on the labels. The makers are Or-lem, Ltd., 77 Millbrook Road, Southampton.



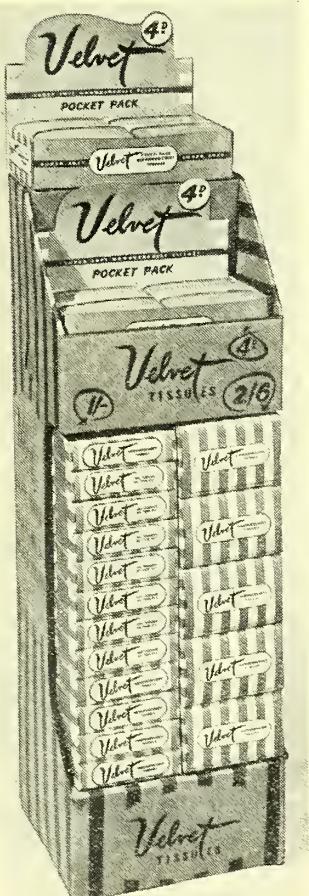
"SHOWGIRL" TYPES : Showcard in full colour bearing four "showgirl" heads each typifying one of the colours in which Color-Glo hair-colouring preparation is produced. Each head is separately printed on the appropriate pack. The makers are Golden, Ltd., 7 Grosvenor Street, London, W.1.

Summer Competition.—£500 is being given away in prizes during each month from July to September to contestants listing eight summer uses of Kleenex tissues in the order they should best be advertised. There will be three separate competitions and each month a different set of Kleenex uses will be selected for the contest. Entry forms, which must be accompanied by a leaflet from the inside of a box of Kleenex, are distributed to entrants by stockists. Kleenex tissues are made by Kimberly-Clark, Ltd., Highgate Road, London, N.W.5.



WIRE DISPLAY STAND: Keen, Robinson & Co., Ltd., Carrow Works, Norwich, have produced a new display stand in wire for their Robsoup and Robsweet weaning foods. The whole display requires only a 7 in. wide space on the counter. The carrier holding the tins rotates and customers can help themselves.

MULTI - PACK DISPLAY: A new type of merchandise unit is issued by Velvet Crepe Paper Co., Ltd., Woodside End, Mount Pleasant, Alperton, Middlesex. The stand was designed by Leon Goodman Displays, Ltd., 119 Whitfield Street, London, W.1.



DEVELOPMENTS IN THE UNITED STATES

INVESTIGATIONS carried out recently at the Argonne National (Atomic) Laboratory, Lemont, Illinois, indicated that growing tissues are more sensitive than non-growing tissues to radiation. The possible effect upon radiation of contact with minerals known to affect growth was accordingly examined. The tests were done with boron. In normal sunflower plants exposed to x-rays, typical radiation symptoms—speckling, mottling, and distortion—appeared in all the subsequently developed leaves up to seventy days later; in addition, growth was retarded. In boron-deficient sunflower plants, leaf damage was observed only in the first six to seven pairs of leaves, and recovery thereafter was complete. The plants were, too, considerably less stunted.

Wax from Rice Bran

A hard wax from rice bran has been produced by chemical engineers of the United States Department of Agriculture. The wax appears similar in quality to carnauba.

Organism Splits Heparin Molecule

Workers at the National Heart Institute, Bethesda, Maryland, have discovered that an obscure soil organism present in the institute grounds can split the heparin molecule. They hope the discovery may enable the chemical structure of the drug to be determined.

"Centrifiltration"

A device known as the Centri-filter, developed by the General Motors Corporation in association with the Michael Reese Research Foundation, Chicago, facilitates ultra-violet sterilisation by spinning the liquid to be sterilised into a microscopically thin film, which is then irradiated by ultra-violet light from tubular quartz lamps.

Antiviral Agent

Caprochlorone (1 - 4 - phenyl - 4 - (2-chlorobenzyl)-5-oxohexanoic acid) has been found by the Sharp & Dohme division of Merck & Co., Inc., West Point, Pennsylvania, to prevent the death of test animals otherwise vulnerable to certain strains of human influenza viruses. More than twenty compounds related to caprochlorone have displayed similar antiviral activity.

Gold Printing on Ampoules

A method of gold-imprinting glass ampoules, developed by George A. Breon & Co., manufacturers of parenteral medicaments, New York, is claimed to be impervious to all sterilising agents. Amber-coloured vials may be similarly imprinted in silver because of its sharper contrast. The film of gold is less than four-millionths-of-an-inch thick.

Radiation Reduces Natural Immunity

That the immunity to tapeworm larvae built up in older rats fades with the reduction in white blood cells brought about by radiation has been discovered by Drs. A. W. Jones and H. Ciordia, zoologists at the University of Tennessee, Knoxville, Tennessee. They believe

that the same reduction of white blood cells in humans will allow radiation victims to become as easy prey to parasites as to bacterial infections.

Antihistamines in Photosynthesis

A zoologist of California University has been using antihistamines in research on photosynthesis. He has found that they destroy chlorophyll in plant-like single-celled test animals called *Euglena*. Under microscopic examination, the chloroplasts in the presence of antihistamines seem to shrink, becoming indistinguishable from other cellular particles. New organisms produced in the presence of the drugs were found to contain no chlorophyll. The chlorophyll, moreover, did not regenerate in the organisms when placed in a medium free from antihistamines.

Liquid-and-powder Spray

A new aerosol device that applies liquid insecticide spray and fungicide dust simultaneously to roses is announced by E. I. du Pont de Nemours & Co., Inc., Wilmington, Delaware. Believed the first garden aerosol combining "wet" and "dry" spraying, the product is also the first to offer mildew control with control of major insects and diseases that attack roses. The light-coloured fungicidal dust also serves to indicate where the material has been applied. The aerosol is called a "spray-duster."

Rabbits in Plant-disease Research

A supply of antibodies for use in research against virus diseases of crop plants is being built up in the blood of living rabbits at an Agricultural Experimental Station at Lincoln, Nebraska. The antisera enable the presence in young plants of such viruses as barley-stripe and brome mosaic to be determined. Virus from the juice of diseased plants is injected into rabbits; when the injected rabbit has developed the required antibody level its blood is drawn off in small quantities and used in field or laboratory tests for cereal viruses.

Nematode-borne Insect Disease

Dr. S. R. Dutky (insect pathologist of the U.S. Department of Agriculture) has discovered a nematode-borne bacterial disease which, in experimental studies, was found effective in killing certain insects including codling moth,

vegetable weevil, and a cabbage worm. The nematodes, in piercing the intestines of attacked insect larvae or adults, release disease bacteria that rapidly multiply, killing the insect usually in less than twenty-four hours. A method of breeding the nematode, which is a member of the family *Steinernematidae*, has been elaborated, using larvae of the wax-moth as host. Each larva can produce about 150,000 nematodes, which can be maintained in the body of the host or in refrigerated or aerated pure water. Limited field tests carried out in apple orchards indicate that 60-70 per cent. control of codling moths may become possible by the nematode-borne-disease method. Tests have also shown that the nematodes can be forced through a high-pressure spray nozzle without too high a mortality rate, and are also resistant to most insecticides in common use. It seems likely, therefore, that the nematodes and insecticides might be used simultaneously in the control of insect pests.

Three Coal-tar Dyes Banned

Three widely used coal-tar dyes have been removed from the list of approved colouring materials which may be added to foods by the U.S. Food and Drug Administration. The colours are F.D. and C. orange No. 1 (monosodium salt of 4-p-sulphophenylazo-1-naphthol); F.D. and C. orange No. 2 (1-o-tolylazo-2-naphthol); and F.D. and C. red No. 32 (1-xylylazo-2-naphthol).

Quick-frozen Cancer Cells

Research workers in the physiological chemistry department of California University Medical School, Los Angeles, have devised a method of quick-freezing the highly infective cells of Erlich's ascites mouse tumour. That makes possible deep-freeze storage of the cancer cells for future experiments.

Doctors Uphold Use of Boric Acid

A survey by Dr. Russell S. Fisher (chief medical examiner of the State of Maryland, and professor of legal medicine at Maryland University Medical School) shows that 94 per cent. of American dermatologists continue to use boric acid in their practice. Dr. Fisher questioned 1,440 dermatologists. 65.8 per cent. returned the questionnaire. Only 5.9 per cent. of the dermatologists who replied said that they did not use boric acid at all.



Rose spray-duster in use.

Correspondence

Letters when received must bear the name and address of the sender, not necessarily for publication. The Editor does not hold himself responsible for the views expressed.

Supra-legal Standards of Conduct

SIR.—I, for one, am not satisfied with the defence for the decision of the Council of the Pharmaceutical Society on the supply of methyl pentynol put forward, according to your report (*C. & D.*, May 26, p. 436) at the recent Branch Representatives' meeting. The reasons for the decision were, it must be assumed, pharmacological. Why, then, did not the Council, as head of a scientific (as well as of an enforcement) organisation, tell members the facts on which it decided the issue? The Council has not treated pharmacists as professional men over the problem. It has placed them in an impossible position *vis-à-vis* the public, for they cannot give an argued reason for refusing to supply the drug, but are obliged to refer to authority. In this light the Council's "trumping their partner's ace" is all the more unforgivable. Occasions may arise when, in my opinion, the Council's decision will conflict with the advice in the Statement on Matters of Professional Conduct "to provide a full service." While regarding the sale of any tranquillising drug as calling for special care — whether the Council has pronounced on it or not—I shall continue to accept the law as the ultimate standard of reference in poisons matters.

HABENDA RATIO VALETUDINIS

Coloured Tablets

SIR.—From recent correspondence it is clear that the major manufacturing houses are unanimous in their desire to see a modification of the official ruling against the colouring of pharmaceutical tablets. Whilst the manufacturers have stated the advantages as they see them, no real reason for the official ban has been given. It was suggested in Mr. H. G. Rolfe's address (the point was not given in your report on April 7 but was given in the *Pharmaceutical Journal*, April 14, p. 179) that the attraction to children of coloured tablets, and the consequent risk of misadventure, may be a pertinent factor affecting the official decision. That brings into the controversy two points which, so far as the writer is aware, have previously received little, if any, attention. The medical practitioner, called to the bedside of a patient in a coma may, in considering his diagnosis and treatment, be given a valuable time-saving clue by his instant recognition of tablets found nearby. A white tablet would be virtually valueless in this connection. Again, the intricate analyses required of the chemical toxicologist in cases of suicidal or homicidal poisoning can often be considerably shortened by the same recognition of tablet colours. The possession of a reference collection of all drugs currently marketed in this country at laboratories called upon to undertake such analyses would undoubtedly be a valuable aid in such work. The real virtue in using characteristic colours for tablets is thus as a means of recognition and identification.

It affects, and materially assists, the manufacturer during his processing and packaging operations, the dispenser, the medical practitioner, the patient, and, if the unfortunate necessity arises, the forensic analyst. That is surely a commanding weight of evidence to be balanced against the attractiveness of colour for children. Children will still eat even white tablets, mistakenly supposing them to be sweets; and, as Mr. H. G. Rolfe so rightly points out, the only entirely efficient safeguard is to keep all tablets in proper custody.

Reading

J. A. RADLEY

The Society and Remuneration

SIR.—I was very interested in your comments (*C. & D.*, June 2, p. 467) on the resolution I moved at the Branch Representatives' meeting on May 17. The motion was lost. In spite of your comments I am still wondering why. I have the greatest appreciation for the N.P.U. If many members seek their help as much as I do, then they must be very busy people. Also I have nothing but gratitude and admiration for the unselfish service and hard work given by the individuals comprising the Negotiating Committee. All the same, I think that something more is necessary. I contend that "something more" can only be supplied by the Society in backing the existing Negotiating Committee, or in a parallel operation. You, sir, in your comment speak of the immense influence it has at its command. In your last paragraph you said that "it is important to bear in mind that it is the status of the membership as a whole that must be improved." May I remind you of what I said in conclusion when moving the resolution, namely:—"That generally an increase in the status is directly in proportion to the economic position, therefore an increase in status will only follow an increase in remuneration for our professional services."

Stourbridge ALFRED C. YEATES

[We are in agreement about the ends. But the means adopted to reach those ends must be clearly seen to be both appropriate and likely to be effective.—EDITOR.]

Pensions for Proprietors

SIR.—With reference to Mr. S. V. Brown's letter in your issue of June 2 (p. 469) I am sorry if I did not make myself clear in the article to which he referred. The Millard-Tucker recommendations have only been adopted partially in the new Bill. It is important for a person to realise that no cash option is available at pension age, more especially as, if that option were available, the money could be used to buy an annuity with little taxation. In the past a purchased annuity was taxed in full as income. Of course, the old "top-hat" schemes were not available to self-employed persons, otherwise there would be no need to include them in the new Act. It is possible that some individuals might even now have the alter-

native of a "top-hat" pension or the new scheme, and I have no doubt which they would choose. I agree with Mr. Brown that we must wait for the final decision of Parliament, but it seems unlikely that the condition regarding "no cash sum" will be changed. We must wait and see the final Act, of course—remembering, though, that (a) assurance companies have their hands tied and can only evolve schemes within the framework of the Act and (b) deferred annuities have been sold by them for a generation. Anybody interested would be well advised to have expert advice, which costs nothing. I am sure that we shall find that endowment assurances will, in some cases, be advantageous because of their elasticity.

CONSULTANT

Election Candidate's Thanks

SIR.—I would be pleased if you would kindly convey my appreciation and thanks for the support I obtained from the membership in the recent Council election of the Pharmaceutical Society.

Nottingham MARY A. BURR

BRANCH MEETINGS

EXETER

Falling Attendance at Meetings

IN his report presented at the annual meeting of the Exeter Branch of the Pharmaceutical Society on May 11, MR. J. H. WARD (secretary) said that attendances at branch meetings had fallen off during the past three years. In view of that it was decided to circularise members with a copy of the secretary's report and balance sheet. It was also decided to send a circular to members soliciting their support, and including a questionnaire asking what types of meetings were preferred, and asking for suggestions and criticisms on the running of the branch for the guidance of the committee. The circular was sent out on May 18, and so far only fifteen replies have been received, out of a total membership of 235.

ABERDEEN

Equal Footing With Medicine

SPEAKING at the annual meeting of the Aberdeen and North-eastern Scottish Branch of the Pharmaceutical Society on May 10, MR. W. A. PARK (chairman of the Scottish Executive of the Society) looked forward to the day when pharmacy would be on an equal footing with medicine. He urged his audience to encourage the training of apprentices, to practise the craft of pharmacy, to conduct their businesses in a professional manner, and not to allow the cash register to become the only dominating factor of their lives. Representatives were elected at the meeting to attend the annual meeting of the Scottish Department in Edinburgh, and delegates were appointed to represent the Branch at the British Pharmaceutical Conference meeting in Dublin.

Lederle is saying

BRITISH MEDICAL JOURNAL

EDITORIAL STAFF

JULY 14, 1956



Nutrition problem

If children had their own way, some strange diets would emerge. Most children are food-faddists with likes and dislikes that frequently lead to impaired nutrition. Insurance against such nutritional problems is adequately provided by a daily dose of the newly introduced Vi-MAGNA SYRUP—specially formulated to correct inadequate intake or utilization of dietary vitamins. Its delicate orange flavour will appeal particularly to the food-faddist child, who can derive all the vitamins essential for nutritional well-being from ONE TEASPOONFUL DAILY.

Vi-Magna * Syrup

BRAND OF MULTIVITAMINS Lederle
Contains Vitamins A and D made water-soluble for better utilization

Each teaspoonful contains:

Vitamin A	5000 I.U.	Ascorbic Acid (C)	75 mg
Vitamin D	500 I.U.	Niacinamide	20 mg
Thiamine HCl (B ₁)	3 mg.	Calcium Ascorbate	1 mg.
Riboflavin (B ₂) HCl	2 mg.	Vitamin B ₁₂	5 mcgm.
Pyridoxine (B ₆) HCl	0.2 mg.	as present in concentrated extracts from streptomyces fermentation	5 mcgm.

* Regd. Trade-Mark BOTTLES OF 4 FL. OZ. AND 16 FL. OZ.

LEDERLE LABORATORIES DIVISION LONDON, W.C.2

Cyanamid Products Ltd.



Lederle products are consistently being promoted to doctors in medical journals throughout the world. The above advertisement is currently appearing in leading British medical journals. Literature on the products referred to is available to pharmacists on request.



THE CHEMIST AND DRUGGIST

For Retailer, Wholesaler and Manufacturer

ESTABLISHED 1859

Published weekly at

28 Essex Street, Strand, London, W.C.2

TELEPHONE CENTRAL 6565

TELEGRAMS: "CHEMUS ESTRAND, LONDON"

Late Dispensing

THE *Bolton Standard* on May 24 featured a pharmacist's reply to a local trades council suggestion that the Bolton Royal Infirmary should set up a central dispensing service for prescriptions to be dealt with after 7 p.m. each evening. The published reply, which ran to many column inches and extended across four columns, put forward a number of objections to such a proposal. It aimed at demonstrating that the suggestion was, from the public's point of view, "the reverse of ideal."

It was a commendable act of the newspaper to afford so generous an opportunity to a local pharmacist to rebut what amounted to a public criticism of the local contractors, and the anonymous pharmacist put forward a number of suggestions which, if adopted, would help to do away with much of the need for late dispensing.

Nevertheless there are risks as well as benefits from such publicity and we are not sure they do not outweigh the likely advantages. One objection to the newspaper statement is that it does not make clear whether the views are those of the local chemists in general—arrived at after due discussion. Some of the points made, indeed, go into such controversial detail that we think it unlikely that they represent the "official" voice of the local Pharmaceutical Committee. For example, a scale of suggested charges for out-of-hours dispensing (1s. per prescription up to 10 p.m.; 1s. 6d. between 11 p.m. and midnight; 2s. 6d. between 1 a.m. and 8 a.m.), is not one that could be implemented except through negotiation by the Central N.H.S. (Chemist Contractors) Committee. As such the scheme is surely best not aired to the general public until it has been discussed and approved by a conference of Pharmaceutical Committee representatives. So far as we know no such scheme has been nationally debated. It may be equally unwise to go into print, as the writer of the article does, over ways in which sister professions can re-plan the organisation of their work.

But it is not our intention or wish to criticise an unknown colleague for something he did with the best intentions so much as to try and bring home to other pharmacists placed in similar circumstances that it is always wiser to let such matters be dealt with by the local Pharmaceutical Committee. It is wiser for Pharmaceutical Committees, in turn, to restrict publicity to fully agreed policy that can, without come-back, be published as the voice of pharmacy.

To our mind, however, there are much better ways of improving relations between the profession and its

critics than by defensive publicity in newspaper columns. So far as the particular issue that prompted the present action is concerned, the call for a central pharmacy for late prescriptions is likely to be heard more often in the future. The right answer to it, as we think, has been found by Sheffield and Stockport and Birkenhead. It is not to reject the idea of a central pharmacy but to see to it that such an enterprise is conducted co-operatively by existing contractors.

"Averaging" Made Legal

WHEN chemist contractors receive their copies of the April 1956 Drug Tariff (now being issued) they may for a moment wonder why the detailed arrangements for pricing EC10 prescriptions have been added to paragraph 1. The explanation is that the Minister of Health has made legal the averaging system of pricing prescriptions: previously the legality of the method was in doubt. The Ministry's move was predicted by Mr. H. Noble (secretary, National Pharmaceutical Union) when he addressed representatives of Pharmaceutical Committees on February 15 (as the occasion unfortunately coincided with the onset of the printing dispute Mr. Noble's remarks had unfortunately to be omitted from the truncated C. & D. report which was all it was possible to publish).

Mr. Noble pointed out then that doubts had been publicly cast on the legality of the system of pricing by averaging. The doubts had always existed, but the Central N.H.S. (Chemist Contractors) Committee had not pursued the matter because it appeared valueless to do so, because first it would have caused further pricing delays and secondly the Minister was always in a position to resolve any doubt by regularising the practice in the Drug Tariff. He clearly intended to go on using the system for payment, and a system once in print was more difficult to alter. Mr. Noble forecast that, as a result of the publicity, the Minister would have to include in the Tariff the details of payment based on averaging.

The act of the Minister was the outcome of a statement in an editorial comment in the Society's journal. That comment had prompted a contractor to ask for his prescriptions to be priced in full. Compelled to put his house in order, the Minister would be securing the system of averaging on to the backs of contractors more firmly than he need otherwise have done.

Is it more than a coincidence that, in this week's issue, we publish alongside the Drug Tariff news a report that the Minister has recently, before a deputation from the Joint Pricing Committee for England, refused to concede any relaxation of averaging?

The moral of this sorry tale was pointed by Mr. Noble. It was that people should not take action whose end they could not see.

Parking on the Highway

PHARMACISTS who are in the habit of coming to work in their cars and then leaving them "parked" on the highway until they are ready to go home may be in for a rude awakening as the result of a recent court decision. Shoppers and shop owners who leave their cars parked all night may be equally affected. It appears that every car in a parked line of cars will be falling foul of the law, and the owner or driver liable to be prosecuted for "causing unnecessary obstruction of the

highway contrary to the Motor Vehicles (Construction and Use) Regulations, 1955."

In the case referred to above, the motorist had left his car on the Victoria Embankment, London, at 11 a.m. and it remained there unattended till he returned at 4.15 p.m. Other cars were standing in the same line, and during those hours the presence of his car prevented other vehicles from being for any period on the place where his car was. The court held that the motorist had been rightly convicted at a lower court of causing an unnecessary obstruction of the highway. The motorist who was proceeded against appears to have conceded that a person who left a car standing by itself, and not with other cars, for as long as six hours would have been causing an obstruction. His argument was that it was causing no obstruction, even though left for such a length of time, when it was in line with other cars. That distinction was rejected.

The court held that a stationary car was in itself an obstruction, though the exigencies of modern life required some latitude to be given, so that, except where regulations might otherwise provide, an offence would not be committed if a car stopped for a few minutes. The highway was not a parking place unless it was so designated. Indeed, strictly, a highway might be used only for the purpose of passing to and fro thereon, and not for stopping, except for a short time.

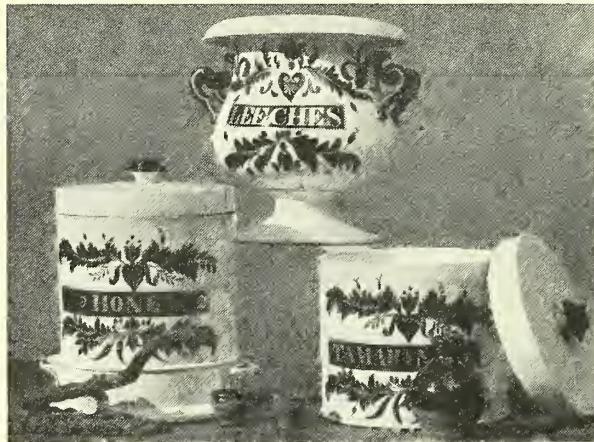
The decision serves to emphasise once again that motorists who use the highways as a parking place for their cars, whether in connection with their business or for purposes of shopping, and to an even greater extent motorists who use the streets as all-night or sometimes as all-day-and-night garages, are breaking the law.

Does the decision herald a campaign to free the roads of stationary cars and thus to help to solve the traffic problem?

Onward from Galen

A CURRENT CAUSERIE

THE drug jars shown below featured in an article in the *Rochdale Observer* recently. They belong to Councillor J. H. Nuttall, M.P.S., Whitworth. The jar on the right was used as a container for "diet drinks" formerly prescribed by



Whitworth doctors to purify the blood. With the two unctuous pots it was rescued during the demolition of an old barn adjoining the still standing doctors' house in the Square, Whitworth. The other three jars came into Councillor Nuttall's possession when, thirty-two years ago, he took over the pharmacy in Market Street, Whitworth.



THE Royal Air Force condemns its own policy towards a pharmaceutical service in a window-display at its Kingsway, London, recruiting centre. In a photograph of an R.A.F. "hospital dispensary," designed to attract "medical tradesmen" to the Service, a notice proclaims: "If you are unskilled when you join, the R.A.F. will train you." To the unskilled, the picture might be very appealing, particularly if linked with an adjacent advertisement of pay of more than £20 per week for certain N.C.O. ground tradesmen (a sergeant is shown in the dispensary). The details reveal sodium salicylate in a ribbed poison bottle, cheek-by-jowl with zinc sulphate and a substance that is probably Glauuber's salt, both in poison bottles. A shelf labelled in large letters "Glycerine and Syrups" holds, so far as can be seen, potassium salts, and another labelled "Acids" more potassium salts and powdered crude drugs. Waters are shown in a position set aside for oils, and the room is cramped, its bench and sink badly stained. The sergeant

is in danger of knocking the arm of the other tradesman, who is concentrated on weighing a solid from a poison bottle. It is to be supposed that the photograph chosen for recruiting purposes is of one of the best available R.A.F. hospital pharmaceutical departments, and an array of measures (a one-pint, two 6-fl. oz., and one 2-fl. dr. unbroken measures) tends to support the suggestion. How much longer are Royal Air Force personnel to continue to be denied the kind of pharmaceutical skill and care that they would receive in civilian hospitals?



AN exhibition organised at Southsea by the National Register of Archives Exhibition included a pharmaceutical account that was disallowed by a pricing office. It occurred 250 years ago. In a letter to Joseph Holmes, coal merchant, and one of the Overseers of the Poor of Portsmouth, on April 11, 1786, John Aylward, Horndean, wrote enclosing "the Dockters Bill as you Orderd." He explained that he had not been able to go to Hambledon, where he had been ill, until the previous day. "Sir I believe that no man never had a severer fit of Illness then I had," wrote Aylward, "But have had Everything that was Nessesery as well as I could wish Owing to the generosity of you gentleman Otherwise I must have Died but now I thank god I am likely to be very well again I hope never to be a burthen to the Parish any more as it is sorely Against my Inclination." The bill he sent was for medicines and attendance provided by Edward Hale and John Cotman, two surgeons living at Hambledon, and detailed medicinc to a value of £6 8s. supplied at various dates between November 20, 1784, and March 15, 1785. The account is endorsed by the surgeons of Portsmouth Workhouse: "We have examined the within bill and are of the opinion that forty shillings may be deducted therefrom, with propriety." There is another endorsement: "We . . . are much astonished to see the signatures of two gentleman of the Faculty so very improperly placed to this Bill, intimating an Imposition in the Charge, as they are very certain they themselves wd. have made it double for so long an attendance even at their next door."

The account begins on Nov. 20 with

A box of pectoral pills	0	2	0
A Blister	0	1	0
A phial of drops	0	1	0

It appears from a further entry that the blister was for the stomach. "A Vomit and cordial" cost 3s.; "A journey and Vomit," 1s. Other items include "a saline mixture"; "Twelve powders and a Julep"; "A nervous mixture" (2s. 6d.); "Six Antimonial Powders" (2s.); and "Twelve aperient powders" (6s.). "A journey" was charged at 5s.

ARTIFICIAL LIGHT PHOTOGRAPHY

Not necessarily a winter-season pursuit

THIS summer millions of snapshotters will bring out their cameras again, and tens of millions of exposures will be made. Considering that the snapshot exposure is fixed (about 1/35 second at f/11), and that pictures are attempted under an amazing variety of lighting conditions, it is a tribute to the film manufacturers and photo finishers that such a remarkably low proportion prove unsatisfactory.

Although snapshotters are advised to use fairly bright sunshine, there is no doubt that, with variations in normal daylight illumination of over 30:1 they are still capable of producing a satisfactory picture with modern films. The real problem comes when they endeavour to take pictures indoors by ordinary artificial light. The human eye rapidly accommodates itself to the lower level of illumination, but as that may easily be only 1/100 of the intensity of bright sunshine, to take snapshots in those conditions on any film yet manufactured is impossible. A time exposure of 4·5 seconds records on a snapshot camera, or 1/25 at f/3·5 on the new ultra high-speed films, but instantaneous exposures at small apertures are out of the question.

Flashbulbs

What is needed is a source of high-intensity illumination that lasts for a fraction of a second and that is supplied by the small modern flashbulb, a mass of finely drawn aluminium-magnesium wire sealed in a glass envelope with oxygen. The lead-in wires are connected by a thin tungsten filament, at the ends of which are small blobs of zirconium-powder priming-paste. When placed in an electrical circuit, the filament becomes white-hot and breaks, igniting the priming paste. That bursts and scatters throughout the bulb, igniting in turn the wire filling at a number of points. The wire burns up in the oxygen, giving a brilliant white light which lasts for about 1/50 second. The flash gives sufficient illumination of the subject to allow for full exposure with a snapshot-camera lens.

Open Flash

The flashbulb is usually held in a flashgun, which consists of a battery case and reflector. Any type of camera may be used with flash provided it has a "time" (T), or "brief time" (B), setting. Camera and subject are lined up, and the following procedure carried out quickly and smoothly:—

- (1) Open the shutter.
- (2) Fire the flashbulb by hand.
- (3) Close the shutter.

There is no risk of movement as the flash is so brief, and normal room lighting does not record in the short period that the shutter is open. A good position for the flash is above and to one side of the subject at about 45° in each plane.

Synchronised Snapshot Cameras

As a flashbulb is fired electrically, the opportunity is offered to fire it from the action of the camera shutter. Besides being more convenient than open flash, the method ensures that the flash occurs during the time that the shutter is open. Modern snapshot cameras have shutters equipped in that way and are synchronised for flash. Two contact points, or a two-pin plug, are fixed to the camera or shutter body so that, when the shutter operates, contact is made between them. They now act as a switch and, if connected to a flashgun, fire the flashbulb during the operation of the shutter mechanism. The standard fitting is the 3-mm. co-axial Compur plug, but a few models have individual fittings to suit specific flashguns. The flashgun itself can

be mounted on the camera body via either the tripod bush or shoe, and in that form makes a compact unit that can be used to take snapshots under any conditions.

Exposures

The same exposure latitude that is exploited in daylight snapshotting applies to flash exposures. At greater distances the light from the flash is spread over a larger area so that the illumination is rapidly reduced. Thus, with a given type of film and flashbulb there is a range of distances within which adequate exposure of the subject is obtained. A simple table can be made up for those speed groups of film and the distance range for each flashbulb.

(Class M)	TYPE OF FILM		
	Fast ortho	Medium pan.	Fast pan.
PF1	5-7 ft.	6-8 ft.	8-10 ft.
PF14	6-8 ft.	9-11 ft.	12-15 ft.
PF25	8-10 ft.	12-14 ft.	15-18 ft.

The PF1 is the new capless flashbulb which is used in the flashgun with an adaptor 5245. A number of flashguns on the market are, however, made to take the capless flashbulb direct. With fast panchromatic film such as HP3 or Super XX the distance range is sufficient for normal indoor photography with the PF1. The PF14 and PF25 have the standard SCC (B15s) cap.

Successful Flash Photography

Provided all the equipment is in order, flash photography is remarkable for its effectiveness and simplicity. The controlled light output and speed of the small flashbulbs produce much more consistent and steady pictures than many taken out of doors. It is important to consult the camera manufacturer's instructions and to note any flash-photography recommendation they make for a particular model. The only reason a flashbulb may not fire is because of damage received after manufacture. A blue safety spot is placed on the glass bead under the filament, and that should always be examined before use. Pink coloration indicates a leak in the glass envelope and the bulb should not be used. Bad or dirty contacts anywhere in the circuit prevent firing, and special attention is needed to the batteries of ordinary battery-type flashguns. They deteriorate rapidly, and it is essential that they should be fresh, or reasonably fresh, if consistent, positive firing is to be obtained.

FIFTY YEARS AGO A FRACTIONAL CONDENSER

From the C. & D., June 9, 1906

MR. J. Golding, F.I.C., explained that in the course of his bacteriological work he had found it necessary to obtain distilled water as nearly pure as possible, and especially that it should be free from all traces of metals and ammonia. He succeeded in obtaining the quality required, distilling with a glass flask, by modifying somewhat the condenser described by Mr. W. R. Bousfield in the "Journal of the Chemical Society," May 1905. Instead of having one large condenser-box he divided the condenser into four compartments, each of which contains one of the condensing-tubes. The steam passes from one compartment to the other by an appropriate aperture in the division-walls, so that the steam condensed in the last or fourth compartment has passed through the other three. The water from this last condenser he found perfectly suitable for his purpose. The steam is also made to pass over a layer of potassium permanganate acidified with sulphuric acid, which the author found is a good means of purification.

Wholesaling to the Wholesaler

HOW THE DISTRIBUTION OF IMPERIAL CHEMICAL PHARMACEUTICAL SPECIALITIES IS ORGANISED

FOR the reason that the products of Imperial Chemical (Pharmaceuticals), Ltd., are processed at Grangemouth and packaged at Linlithgow, it is not very practicable to dispatch them direct from the works to trade buyers in England and Wales. In order, therefore, to put supplies and information within reasonable reach of wholesalers and hospitals, the company organises distribution on the basis of four regional depôts, corresponding with a similar decentralisation of the sales organisation.

The depôt for the Southern Region is at Earlsfield, London, S.W.18, and in charge of it is Mr. S. N. Cowan, M.P.S. The territory the depôt serves is that part of England which lies south of a line from the Severn to the Wash. Apart from emergency supplies, which may, as a practical measure for speedy delivery, be sent direct to a retail pharmacist though invoiced through a wholesaler, direct sales are made only to wholesale distributors and hospitals. The only goods distributed are penicillin and other medical and veterinary specialties manufactured by I.C.(P.); Distaqueine and streptomycin, of which the company are one of several authorised distributors; and a sheep-marking fluid which is not manufactured by I.C.(P.) but is distributed by the company under an exclusive arrangement.

From Scotland in Bulk

The products that are warehoused at Earlsfield come down from Scotland in bulk consignments by road transport. They come in outers that do not need to be broken down for storing on the shelves. Consequently there is a minimum of handling—and no litter. They arrive at a reception bay from which they pass by roller line down to handling height in the warehouse. They are transferred to their allotted places on deep metal shelves ranged on either side of wide lanes. There they remain until withdrawn in the quantities required to meet specific orders. One part of the warehouse is fitted with flame-proof lighting, in case there arises a need to store goods with a high risk of explosion or fire. Another section is given over to the storage of showcards, other display material, and literature.

The whole of the storage and assembly area is on one floor somewhat below ground level. The absence of noise, bustle or fuss is a most noticeable feature of the warehouse. That quietness has been deliberately aimed at and is proved by the felt covering to be found on some of the corridor floors.

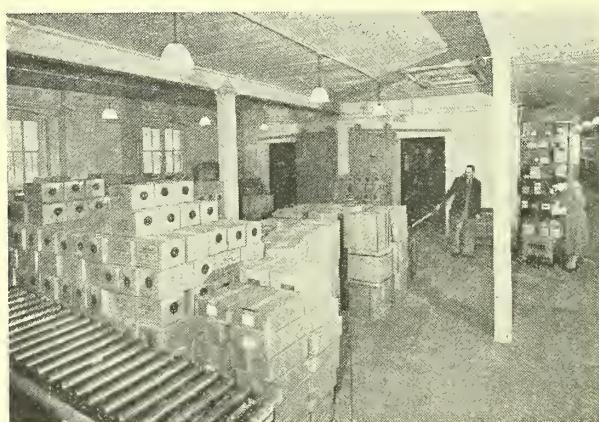


Office department for handling miscellaneous correspondence and technical inquiries.

Quiet is held to go hand in hand with efficiency.

Customers' orders, when assembled and packed for dispatch by road, are taken up by lift to a loading bay at about the average level of deck of normal motor delivery vans. The services of commercial carriers are used to reach most destinations in the territory, though a good deal of use is also made of parcel post. The company does not, at Earlsfield, operate its own van delivery service, though in the regions served by Manchester and Grangemouth, I.C.(P.) vans service wholesalers and hospitals within a certain radius of the city.

When an order arrives at Earlsfield it is received in a first-floor order department that seems ludicrously small for so large a warehouse. The order is examined, and certain code marks are written in. They indicate to a girl at a "console" of Adrema plates to whom it passes the plates she must select from her racks. The girl stamps the order with a number which is also imprinted on all other documents relating to the order (delivery advice note, invoice, and labels, etc.). From one section of the console comes a plat-



Newly arrived goods awaiting removal to the storage shelves.



Deep metal racks line wide gangways.



Assembly of customers' orders for dispatch.

carrying the customer's name and postal address. From another is drawn a plate corresponding to a product on the order form, and giving name, pack, price, etc. The latter process is repeated for each speciality on the order form, and in the act of stamping the information is transferred by carbon papers to duplicate forms required for the warehouse manager, accounts department, and local representative. One standard invoice form serves for all orders, but there are variants of the delivery advice according to the method of dispatch made use of.

A rather larger office department, under a pharmacist, deals with miscellaneous correspondence and technical inquiries. Most of the queries are quickly answered from previous experience: any more difficult problem is referred to the company's technical service department at Wilmslow—by telephone or teleprinter if an immediate reply is required.

At present, a certain amount of export dispatch is also done from Earlsfield, but other arrangements are planned under which those activities will eventually be transferred elsewhere. For consigning the goods to overseas destinations a department operates at Earlsfield for the construction of wooden packing cases.

As already mentioned, the company's system is one that gears distribution to sales development, and Mr. Cowan has under his command a contingent of representatives calling on the medical, dental and pharmaceutical professions. A good deal of correspondence and many telephone calls from these classes of customers are handled from the dépôt, but the main function is to ensure that the company's products are distributed promptly and efficiently through the normal trade channels in the area covered.

PHARMACEUTICAL FORMULAS Vol. II

BY A PROPRIETOR PHARMACIST

*"And still they gaz'd and still the wonder grew
That one small head could carry all he knew."*

IT would be a mistake for the pharmacist of today to attempt to emulate the reputation of Goldsmith's parson. Indeed, one of the purposes of education is to teach where knowledge is to be found when required, and to apply skill, training and learning to its elucidation. It follows, then, that, in our complex modern world, the chemist has need of a bookshelf supporting a collection of volumes that have come to be regarded as indispensable. Some of those are specific in their purpose, such as the British Pharmacopeia, British Pharmaceutical Codex or National Formulary. On the other hand, there is a vital need for a work of reference planned on the broadest possible lines, which can be easily consulted for the purpose of answering an unusual query. The general public still regards the chemist as the man who can help with the most extraordinary problems, and a compact volume which can meet the emergency is invaluable.

For nearly sixty years that need has been met by "Pharmaceutical Formulas," Volume II, a new edition of which recently made a most welcome appearance. War has delayed its publication, and a printing dispute the publication of this review of it, but now, with the latest information recorded, there is available a book which should be at hand in every pharmacy. That is only one aspect of its use. The last previous edition of "Pharmaceutical Formulas" appeared in 1934. The apprentice of bygone days grew up in the company of the earlier editions, and the older chemist has acquired the habit of relying on the information so readily accessible. The change in the method of training of the student today, with its greater emphasis on the academic side, makes the publication even more welcome, for it is precisely in the material provided by the book that the newly qualified chemist of today is untaught.

The volume is divided into sections covering such subjects as culinary and household recipes—many of which have

stood the test of time—cleaning materials, polishes, varnishes and cements. A section devoted to photography contains formulas for all types of developers, enabling the retail chemist to cultivate the enthusiasms of that ever-growing band of amateurs to whom the delight in photography does not end with the clicking of a shutter. As with the other sections, the advice of the expert is available, and, as one would expect, details of processing extend to the modern colour transparencies.

Horticultural and agricultural requirements are fully covered, enabling the chemist in the country both to advise and to supply sprays and washes on demand, making it possible for the goodwill of the amateur gardener to be cultivated. For example, the secretary of the local bowling club may ask questions about moss on the green. The answer is on p. 510, and—what is even more important—the ingredients are probably in stock. One of the most important features throughout the book is the inclusion of further and detailed information which is published elsewhere but not always kept at hand, as for example in the paragraph dealing with selective weed-killers, where the reader is referred to Advisory Leaflet No. 315 of the Ministry of Agriculture and Fisheries.

In the perfumery and cosmetics section are many formulas which can be made the basis of simple, own proprietary preparations. It is not expected that the busy pharmacist today could find time to make a full range of cosmetics, nor indeed is it suggested that he could compete with the advertised preparations so assiduously kept in the public eye and mind. But hand lotions, hair creams, cold creams and after-shave lotions are within the compass of all practising pharmacists. Elegant bottles and modern labels are easily obtained. Again, one is struck by the "everyday" nature of the ingredients, most of which are already in stock in most pharmacies. Many of the preparations are easy to make, and are not by any means to be regarded as major manufacturing operations—a point worth stressing, since it is easy to be discouraged when confronted with some for-

mulas and processes. There are, of course, more complicated preparations which are intended for the use of manufacturers.

The value of a work such as "Pharmaceutical Formulas," Volume II, is enhanced by a good index. In fact, adequate indexing is essential. Someone wants to know if it is possible to solder aluminium. The formula for a solder is on p. 390. "Can you tell me how to remove a glass stopper from a bottle?" "Can you make some accumulator acid of s.g. 1.24?"

These are the sort of questions that are answered. This is unquestionably a work of reference for every pharmacy—a practical and complete compendium for use every day. Every section of the work is indicative of the thought and thoroughness of those responsible for its compilation. They are deserving of congratulation.

[*The Chemist and Druggist*, 28 Essex Street, Strand, London, W.C.2. Eleventh edition. 8 x 5½ in. Pp. xv + 952. 42s. Postage 1s. 6d.]

INFORMATION WANTED

The Editor would appreciate information about suppliers of the following items:

BENZAMELID suppositories CALEGESTIC for psoriasis
Nylon net bandages JANTZEN sun oil MENATOL

"DIFFERENTIALS" FOR HOSPITAL PHARMACISTS

A correspondent disagrees with a "Hospital Pharmacy Forum" opinion

SIR.—The article on "The Problem of Differentials" (*C. & D.*, May 26, p. 449) seems to me to miss the main point of the criticism that has been levelled at the current proposals of the Guild of Public Pharmacists for the revision of the method of calculating the "points" which determine the categories of hospitals in relation to chief pharmacists' salaries. There is a fundamental difference between relating the responsibility of a chief pharmacist for the pharmaceutical service needed by his hospital to the number of beds, together with total out-patient attendances, and using a count of prescriptions dispensed as a factor in assessing his salary category. In the former the principle is accepted that the pharmacist should be paid for accepting responsibility for the service needed when all beds are occupied and out-patient attendances are at a certain level irrespective of the proportion of beds actually occupied or of the proportion of out-patients who do, in fact, bring prescriptions to the pharmacy department.

Pay as Professional Workers

If we are to be paid as professional workers, employed full time, that is the only basis for assessing the relative importance of chief pharmacists' posts. It is based on the principle of being paid for putting our abilities at the disposal of our employers for so many hours a week. The idea of basing our "points," even if only partially, on output is the opposite of this. It amounts to a modified piece-work or production bonus system quite incompatible with professional status. The proposal reflects ideas carried over mechanically and uncritically from retail practice, where the chemist-contractor (to use the official term) is basically a trader executing

separate orders, and who naturally gets paid according to the number and nature of the orders executed. The hospital pharmacist is in quite a different position. Working full time for his employers he cannot supplement his earnings by doing other work during his normal working hours. He is paid to be at his post and to deal with whatever work turns up.

The hospital pharmacist cannot, without resort to unethical arrangements with his medical colleagues or his hospital administrators, influence, for his own benefit, the number of prescriptions brought to his department by outpatients. Nor can he, by giving a better service than his colleague in another hospital, attract more patients to his department. Any fluctuation in their numbers will be due neither to his merits nor to his demerits. When a pharmacist is appointed to a chief's post he (or she) should not have to look upon it as a gamble. The category should be fixed, and not liable to alteration unless some major change takes place in the hospital itself. He will then be able to pursue his tasks with the knowledge that the dictates of his conscience as a professional worker will involve him neither in financial loss nor in accusations of trying to "fiddle" himself the few more points needed to raise his category (if he feels it necessary, for example, to offer advice upon the length of time for which medicines may be supplied to outpatients). From the viewpoint of the pharmacist, therefore, the inclusion in the "points" calculation of out-patients' dispensing figures is bad in principle and likely to be bad in practice. It would encourage an attitude incompatible with professional ethics and at the same time make it possible for others in the service adversely to affect the salaries of

BRITISH FINE CHEMICALS AND THEIR USES

57. ACETONE

ACETONE, formerly prepared from dry calcium acetate by distillation in a stream of inert gas at between 450° and 490° C., is today made by a process depending on the decomposition of isopropyl alcohol. The spirit, in vaporised condition, is passed over suitable silver or copper catalysts. Acetone is also prepared from carbohydrates by fermentation, from ethyl alcohol, from acetylene, and by other methods. Its medicinal, like its industrial uses, arise from its solubility characteristics: it is not only dissolved by alcohol, ether, and chloroform in all proportions, but dissolves nearly all gums, fats, resins, camphor, waxes, and pyroxylin, etc.

Its main use today, consuming approximately half the acetone produced, is in cellulose acetate manufacture. It is also used for making nitrocellulose, dynamite, other explosives, and a range of smokeless powders. It is widely utilised in the preparation of synthetic fibres and has been increasingly used in synthetic rubber production as a coagulant for making cements, for extracting resin from rubber, and in the production of plastics. It is included in adhesive mixtures, lubricant compositions, certain aerosols, varnishes, paints, lacquers, and finishes, and is used in the production of celluloid articles.

In the laboratory, it is used for various solvent purposes. Pure acetone should be free from water, mineral acid, give no indication of acidity, and no reaction with potassium permanganate solution. It should be clear, colourless and miscible with water in all proportions without turbidity.

chiefs, deputy chiefs and senior pharmacists without the possibility of redress. That is why a considerable number of us are strongly opposed to the intended innovation. It has not been suggested that the whole "points system" should be scrapped, but that it should remain fundamentally as it is with available beds and total out-patient attendances as the basic data, though "weighted" differently from the present ones. In fact, the motion to which your article referred did not call for the abandonment of the Guild proposals with regard to new values for the points of the different kinds of hospitals, but only for the dropping of the proposal about out-patient dispensing figures. I agree fully with what was said about the need to raise the scales generally. That is what really matters. A new grading system would leave things, on the average, much as they are now. Some would go up. Others would go down.

Birmingham

PHILIP CREESE

N.H.S. STATISTICS

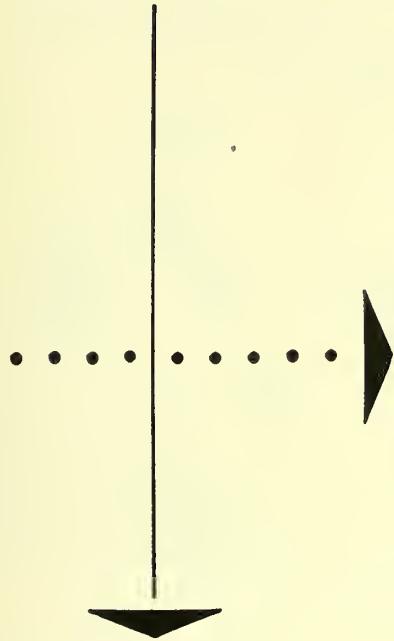
In ABERDEEN during 1955-56 pharmaceutical service costs decreased by £3,100 compared with the previous year.

In LONDON during September 1955 1,472,632 prescriptions were dispensed at a total cost of £307,753. Average cost per prescription was 50·16d.

In GALLOWAY during 1955-56, pharmaceutical service costs were £48,409—about £13,000 less than estimated. Cost per head of patients was 67s.

In ENGLAND during 1955, 210,030,182 prescriptions (121,086,780 forms) were dispensed at a total cost of £45,601,987. Average cost per prescription was 52·11d.

Make their loss your gain



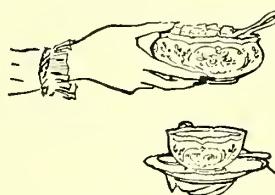
The message that 'Saxin' provides them with the sweetness of sugar without adding to their weight, will appeal forcefully to all women. This advertisement is appearing in Woman's Sunday Mirror, Picturegoer, Woman's Weekly, Woman's Illustrated, Modern Woman, Woman & Beauty, Woman's Journal, Home Chat, Woman's Own, Everywoman, She, and Reader's Digest.

The replacement of sugar by 'Saxin' helps the slim to remain so, the overweight to regain a slimmer line. Unlike ordinary saccharine, it leaves no unpleasant after-taste. It is sold only by pharmacists. A counter or window-display will ensure that you gain extra sales as you help your customers to lose unwanted weight.

"Sugar?"

"I take 'SAXIN'"

— it's better for my figure,
and just as sweet!"



"But doesn't it leave a horrid bitter taste?"

"Oh no! 'Saxin' is not like other sugar substitutes — it's the sweetener with no other taste! One tablet is equal to a large lump of sugar — without, of course, any effect on your waistline! I use 'Saxin' in everything . . . tea, coffee, cocoa — even for cooking, too!"

DIETS NEED NOT BE DULL

Yes, it's true! Life can still be sweet, without waistline worries, if you use 'Saxin' . . . nothing but sweetness! But prove it yourself — call in at any chemist today and buy a tube.

'SAXIN'

is obtainable in handy-size tubes :
100 for 1/6, 200 for 2/9



A BURROUGHS WELLCOME & CO. PRODUCT

3407

'SAXIN' BRAND
SACCHARIN SODIUM



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON
1085

*Sell the safest and
most deadly insecticide*

'GAMMEXANE'
INSECT POWDER
-KILLS FLIES

and all common insect pests!



To control the fly nuisance, advise your customers to dust 'Gammexane' Insect Powder over all potential fly-breeding places at regular intervals during the warm weather.

'Gammexane' Insect Powder kills flies, ticks, fleas, lice, bugs, moths, grain pests, ants, cockroaches, etc. It has an exceptionally wide range of uses—in farmhouses and homes, in barns and sheds, in yards, and on farm and domestic animals.

'GAMMEXANE'
(contains 0.5% gamma BHC) Regd.
INSECT POWDER

Available in sifter containers of 50 grammes and 1 lb. Retail Prices 7d. and 3/- each. Also in tins of 7 lb.

IMPERIAL CHEMICAL (PHARMACEUTICALS) LIMITED, WILMSLOW, CHESHIRE
Ph.453

A subsidiary company of Imperial Chemical Industries Limited



TRADE REPORT

The prices given are those obtained by importers or manufacturers for bulk quantities or original packages. Various charges have to be added whereby values are in many instances augmented before wholesale dealers receive the goods into stock. Crude drugs and essential oils vary greatly in quality and higher prices are charged for selected qualities.

LONDON. JUNE 6: Inquiry for a few seasonal items appeared to be motivated by the arrival of warmer weather. Manufacturers of TARTARIC ACID were able to keep abreast of orders, but supplies of CITRIC ACID were tight. Prices remained unchanged throughout the PHARMACEUTICAL CHEMICAL market.

There were no offers of new-peel CASCARA SAGRADA but it was believed that the value would open around 247s. 6d. per cwt., duty paid. BELADONNA LEAVES are short on the spot; ROOT is available at 1s. 10d. per lb. ARECA NUTS for shipment were dearer by about 10s. per cwt. while Mombasa CHILLIES were down by a similar amount with Sierra Leone material obtainable on the spot or forward. African GINGER rose by 12s. 6d. per cwt. but Jamaican for shipment was down by 15s. IPECACUANHA was neglected, lower offers from origin failed to arouse any interest from buyers. The value of Chinese MENTHOL lost a further sixpence per lb. in all positions but Brazilian remained firm. A better grade of QUILLAIA has now been offered for shipment at 185s. per cwt., c.i.f. All grades of SHELLAC were firmer.

Among ESSENTIAL OILS, Formosan CITRONELLA was lower for shipment with the c.i.f. value ranging from 7s. 9d. per lb. for December shipment to 12s. for prompt shipment. The forward price of LEMONGRASS fell by one shilling per lb. whilst ANISE was fractionally easier in all positions. Home produced CASTOR OIL is dearer for prompt and forward deliveries.

Pharmaceutical Chemicals

ACETIC ANHYDRIDE. — Rates (per ton) delivered in U.K. in returnable drums range from £121 for 10 tons to £126 for single 90-gall. drum lots.

ADRENALINE. — Rates for synthetic B.P. are from 1s. 3d. (500-gm. lots) to 1s. 9d. (10 gm.) per gm., and ACID TARTRATE, B.P., from 10d. to 1s. 2d.

AMMONIUM BICARBONATE. — The B.P. powder is £50 5s. per ton; CARBONATE is £81 10s. for lump and £85 10s. for powder, all delivered terms.

AMPHETAMINE. — Prices (per kilo) for 25-kilo lots are as follows:—BASE, 160s.; SULPHATE, 130s.; d-amphetamine, 550s.

EXCHANGE RATES ON LONDON

At the opening on Wednesday

Alexandria	Piastras to £	97½-97½
Amsterdam		10·56-10·72
Bombay	Shillings to £	
Brussels	rupee	1/5½-1/6½
Copenhagen	Kronor to £	138·95-141·05
Dutch West Indies	Florins to £	5·26-5·29
Hong Kong	Shillings to \$	1/2½-1/2½
Karachi	Shillings to £	
Lisbon	Escudos to £	79·90-81·10
Montreal	Dollars to £	2·77½-2·77½
New York	Dollars to £	2·78-2·82
Oslo	Kronor to £	19·85-20·15
Paris	Francs to £	972·6-987·3
Stockholm	Kronor to £	14·37½-14·59½
Singapore	Shillings to \$	2·31½-2·41½
Zurich	Francs to £	12·15½-12·33½

*Free market rates; remainder Bank of England. Bank rate increased to 5½ per cent. on February 16.

BISMUTH SALTS. — The following are the prices (per lb.) in largest bulk packages:—

	1-cwt.	28-lb.	7-lb.
	s. d.	s. d.	s. d.
CARBONATE ..	23 5	23 8	27 6
SALICYLATE ..	22 6	22 9	26 5
SUBGALLATE ..	21 8	21 11	25 5
SUBNITRATE ..	20 11	21 2	24 7

2-cwt. lots are 3d. per lb. less than the 1-cwt. rates. The present 1-cwt. rates for other salts are:—CITRATE, B.P.C., 22s. 8d.; NITRATE, crystal, 14s. 8d.; OXIDE, B.P.C., 27s. 7d.; OXYCHLORIDE, B.P., 27s. 9d.; OXYIODOGALLATE, B.P.C., 28s. 9d. and TRIBROMPHENATE, B.P.C., 26s. 9d.

BORAX. — Prices for B.P. grade for quantities of 1 ton and upwards, are as follows:—Granular, £50; crystals, £52 10s.; powder, £53 10s.; extra fine powder, £54 10s. per ton. Prices of commercial range from £40 to £45 10s. per ton, as to type and packing. Dehydrated borax is £61 10s. per ton in paper-lined hessian bags or £60 10s. in paper bags; carriage paid in Great Britain. Usual surcharges for smaller quantities.

BROMIDES. — POTASSIUM, B.P. crystals in 5-cwt. lots are 2s. 11½d. per lb.; 1-cwt., 3s. 0½d. per lb. Powder is 1½d. per lb. more. AMMONIUM is 3s. 1d. per lb. in 5-cwt. lots and SODIUM, 2s. 10½d. per lb.

CALCIUM SUCCINATE. — Quotations are from 10s. 6d. to 12s. 6d. per lb., as to quantity. SUCCINIC ACID is from 10s. 6d. to 12s. 3d. per lb.

CARBROMAL. — B.P.C. is 21s. per lb. delivered in returnable packing.

CHLOROXYLENOL. — B.P. quality is 5s. 9d. per lb. for 1-cwt. lots, and 5s. 7d. for 10-cwt.

CITRIC ACID. — Quotations (per cwt.) for domestic material are 205s. for 1-4 cwt. lots and 200s. for 5-cwt. lots.

CREOSOTE. — B.P. quality ex beechwood, is from 6s. 9d. to 7s. 6d. per lb.

CRESOL. — Price of B.P. quality from distillers is 7s. 9d. per gall. in 5-gall. lots.

DEXTOSE. — Rates are as follows:—MONOHYDRATE, B.P., 1-lb., 1s. 11½d.; 7-lb., 11s. 10d.; 28-lb., 43s.; free packages, less 12½ per cent. to wholesalers. In bulk, 1-ton lots, £90 ex works, ANHYDROUS, B.P., 7-lb., 14s.; 14-lb., 26s. 3d.; 28-lb., 49s. (terms as for monohydrate). 1-ton lots, £107 10s. ex warehouse.

ERGOTOXINE ETHANESULPHONATE. — Price per gm. for B.P.C. (1949) is : 1 gm., 168s. 9d.; 10 gm., 155s. 3d.

FERROUS GLUCONATE. — B.P.C. is 6s. 6d. per lb. in 1-cwt. lots.

FORMALDEHYDE. — B.P. solution is 37s. 3d. per cwt. for 4-cwt. lots including free drums.

HEXAMINE. — B.P. is 1s. 11½d. per lb. for 1-ton lots, delivered in 1-cwt. kegs (1s. 11d. in paper bags). Technical is one penny per lb. under those rates.

HYDROCYANIC ACID. — Dilute B.P.C. is from 1s. 5d. to 2s. per lb., as to quantity; Scheeles is from 1s. 9d. to 2s. 4d.

HYDROQUINONE. — Quotations for 1-cwt. lots are 10s. 6d. per lb. For smaller quantities, viz., 28-lb., 10s. 9d.; 14-lb., 11s. 6d.; 7-lb., 12s.

IODINE. — Resublimed is 17s. 1d. per lb. in 1-cwt. lots. Minimum delivered rate for CRUDE is 22s. 10d. per kilo.

LACTATES. — CALCIUM, B.P. is 2s. 9d. per lb. in 5-cwt. lots and 2s. 10d. in 1-cwt. lots. CALCIUM SODIUM for similar quantities is 4s. 5d. and 4s. 6d. per lb.

LITHIUM SALTS. — Current minimum rates (5-cwt.) are as follows:—BENZOATE, 11s. per lb.; CARBONATE, B.P.C., 11s. 3d.; CHLORIDE (commercial), 10s. 9d. to 11s.; HYDROXIDE, 9s. 9d.; CITRATE, B.P.C., 9s.; SULPHATE, 8s. 6d.; SALICYLATE, 9s. 9d.; (10-cwt.), delivered.

MERCURY DERIVATIVES. — Quotations (per kilo) for 50-kilo lots are as follows:—AMMONIATED, B.P., lump or powder, 60s.; PERCHLORIDE, B.P., powder, 53s. 6d. and lump 54s.; SUBCHLORIDE (calomel) B.P., 61s. 9d.; OXIDES, B.P.C., levigated or yellow, B.P., 65s. 6d.

METHOIN. — B.P. is about 120s. per lb.

OPIATES. — Home trade rates for 4-oz. up to 7-oz. lots including container (non-returnable) are as follows:—CODEINE.—alkaloid, hydrobromide, iodide, 58s. 6d. per oz. (2,063s. per kilo); hydrochloride, sulphate, 51s. 3d. (1,808s.); phosphate, 44s. 9d. (1,578s.). DIAMORPHINE.—Alkaloid, 60s. 3d. per oz. (2,125s. per kilo); hydrochloride, 54s. 9d. (1,931s.). ETHYL-MORPHINE.—Alkaloid, 63s. per oz. (2,222s. per kilo); hydrochloride, 53s. 9d. (1,896s.). MORPHINE.—Alkaloid, bimeconate, tartrate, 60s. 6d. per oz. (2,134s. per kilo); acetate, hydrochloride, sulphate, hydrobromide, 50s. 3d. (1,773s.).—Subject to D.D.A. Regulations.

PHOSPHORIC ACID. — B.P. (s.g. 1.750) is quoted at 1s. 4d. per lb. in 10-carboy lots. 1-2 carboys, 1s. 8d. per lb. B.P. 1914 is quoted from 1s. 2d. to 1s. 6d. per lb. HYPOPHOSPHOROUS, B.P.C., in winchesters is from 5s. 9d. to 6s. 10½d. per lb., as to quantity.

POTASH SULPHURATED. — B.P.C. lump is 2s. 3d. per lb. for 1-cwt. lots.

POTASSIUM BICARBONATE. — B.P. powder is 110s. per cwt. for 1-4-cwt. lots and 105s. per cwt. for 5-cwt. and over.

SALICIN. — Price quoted is 18s. 6d. per oz.

SALOL. — Quotations for B.P.C. are about 9s. per lb. for 1-cwt. lots.

TEREBENE. — For 1-carboy lots, 4s. 2d. per lb. is asked. In winchesters, prices are from 4s. 3½d. to 5s. 2d. per lb.

TEREBINTH. — B.P. is 2s. 3d. per lb.

THYMOL. — Prices (per lb.) are 17s. 9d. for 28-lb. and 17s. 3d. for 1-cwt. lots.

Crude Drugs

ACONITE. — Spot supplies of Spanish *napellus* are 3s. 9d. per lb., duty paid.

ALOES. — Prime Cape for shipment is quoted at 330s. per cwt., c.i.f.

ANISEED (STAR). — Chinese is offered at 135s. per cwt., duty paid and 125s., c.i.f., for shipment.

ANTIMONY. — English 99·6 per cent. is £222 10s.; 99 per cent., £210 per ton.

ARECA NUTS. — Quotations are from 55s. per cwt., as to quality on the spot. Shipment, 72s. 6d. to 75s., c.i.f.

BALSAMS. — Quotations (per lb.) are:—Canada: Spot offers are 21s. *Copaiba*, soluble, 8s. to 10s., duty paid. Peru, 9s. 9d., duty paid, and for shipment at 8s. 6d., c.i.f. *Tolu* (genuine as imported) is 27s. 6d.; B.P. is 17s. 6d., spot.

BENZOIN.—Sumatra block on the spot is from £25 to £30 per cwt. No. 1 for shipment is £24 5s., c.i.f. Almonds, 15s. per lb., c.i.f.

BISMUTH METAL.—Minimum rate is 16s. per lb.

BUCHU.—Spot supplies are from 7s. 3d. per lb.

CAMPHOR.—B.P. POWDER is from 5s. 6d. per lb., duty paid. TABLETS, $\frac{1}{4}$ -oz. are 5s. 9d., c.i.f., and 6s. 4 $\frac{1}{2}$ d., spot.

CASCARA SAGRADA.—American 1954 peel is offered at 260s. per cwt., duty paid.

CHAMOMILE.—Belgian flowers are 5s. 3d. per lb. on the spot.

CHILLIES.—Mombasa, spot 320s. per cwt., 285s., c.i.f. Sierra Leone, no offers.

CLOVES.—Zanzibar on the spot are now quoted at 3s. 2 $\frac{1}{2}$ d. per lb.; prompt shipment, 3s. 2 $\frac{1}{2}$ d., c.i.f. Madagascar, 2s. 7d., c.i.f.

COCHINEAL.—Black-brilliant is 32s. per lb. on the spot and silver-grey, 16s.

COCILLANA.—Bark is 2s. 6d. per lb. on the spot.

COLOCYNTH PULP.—Spot offers are 4s. 6d. per lb., duty paid.

DIGITALIS LEAF.—*Purpurea* is offered at 3s. 2d. per lb., c.i.f.

GALANGAL.—Root is quoted at 52s. 6d. per cwt., c.i.f., for f.a.q.

GINGER.—African is offered on the spot at 250s. per cwt., with June-July shipment at 240s., c.i.f. Jamaican No. 3 for June shipment, 505s., c.i.f.

IPECACUANHA.—Quiet Nicaraguan, 56s. per lb., c.i.f.; 57s. 6d. for average test on the spot; Colombian, 52s. spot, and 47s. 6d., c.i.f. Matto Grosso, 46s. 6d., c.i.f.

KARAYA.—No. 1 gum on the spot is now quoted at 295s. per cwt., and No. 2 at 255s.

LANOLIN.—In 1-ton lots the price of ANHYDROUS, B.P., is from 160s. to 165s. per cwt.; 5-cwt. lots from 162s. to 167s. per cwt. HYDROUS, B.P., is from 140s. to 142s. for similar quantities. All in drums, carriage paid, U.K.

LIQUORICE.—Quotations (per cwt.) for natural root are: Anatolian, 55s.; Russian, 42s. 6d.; Persian, 35s. Block juice is 200s. per cwt. for the Anatolian and 195s. for Chinese on the spot. Italian stick from 310s. to 475s. per cwt., duty paid.

MENTHOL.—Chinese, 46s. per lb. in bond (48s., duty paid), June-July shipment, 45s., c.i.f. Brazilian, 40s. 6d., in bond; 39s. 6d., c.i.f.

NUTMEGS.—West Indian on the spot are quoted at 4s. 7d. per lb. for 80's; sound unassorted, 4s. 4 $\frac{1}{2}$ d.; wormy and broken, 3s.

ORANGE PEEL.—West Indian bitter quarters are 11d. to 1s. per lb.; Spanish, 1s. 1d.

PEPPER.—White Sarawak on spot is unchanged at 2s. 1d. per lb. June shipment is easier with business passing at 1s. 10 $\frac{1}{2}$ d., c.i.f. Black Sarawak is 1s. 9d. per lb., spot, and June shipment, 1s. 6 $\frac{1}{2}$ d., c.i.f. Black Malabar is unchanged at 270s. per cwt. on the spot; June shipment, 245s., c.i.f.

PIMENTO.—Spot is 570s. per cwt. with forward at 520s., f.o.b.

QUASSIA.—Chips are 42s. 6d. per cwt. on the spot.

QUILLAIA.—Spot offers of bark are about 225s. per cwt. with shipment, 185s., c.i.f.

RHUBARB.—Quotations for Chinese are from 7s. 6d. to 10s. 6d. per lb., as to quality.

SARSAPARILLA.—Jamaican native red on the spot is 3s. 6d. per lb., and for shipment, 3s., c.i.f., nominal.

SEEDS.—(Per cwt.), ANISE.—Tunisian is 232s. 6d. in bond; Spanish, 260s., duty paid. CARAWAY.—Dutch are in poor demand with sellers at 137s., duty paid. CELERY.—Indian on spot value is 140s.; French is quoted at 308s., duty paid. CORIANDER.—Quiet. Spot: Moroccan nominally 95s., duty paid; Rumanian or Danubian, 62s. 6d.; splits, 55s., and Bulgarian smalls, 50s.; all duty paid. CUMIN—Cyprian, 130s.; Moroccan, 135s., duty paid. Iranian, 125s., duty paid. DILL.—Indian is quoted at 65s. spot, with a chance of business at 62s. 6d. FENNEL.—Quiet. Indian is offering at 95s., spot. FENUGREEK.—Firm. Business passing in Indian at 70s. and Moroccan at 70s., duty paid. MUSTARD.—English is now 60s. to 77s. 6d., according to quality.

SENNNA.—*Tinnevelly* LEAVES (per lb.). Prime bold, 1s. 4 $\frac{1}{2}$ d.; prime No. 3, 7 $\frac{1}{2}$ d.; f.a.q. No. 3, 7d., spot; PODS, f.a.q., 6d., c.i.f. *Alexandrian* manufacturing pods, 1s. to 1s. 3d., spot; hand-picked are from 4s. 6d. to 6s. 9d. per lb. as to quality.

SERPENTARIA.—Offers for shipment are quoted at 40s. per lb., landed terms.

SHELLAC.—F.O.T.N., 310s. per cwt.; F.O. No. 1, 325s.; fine orange, 360s. to 420s.

SLIPPERY ELM.—Grinding quality bark is 2s. 6d. per lb.

SQUILL.—White is offered on the spot at 65s. to 70s. per cwt.

STRAMONIUM.—Indian LEAVES are 75s. per cwt. and European 80s. on the spot.

STYRAX.—Spot value is 5s. 9d. per lb., duty paid.

TONQUIN BEANS.—Para frosted are 6s. 6d. per lb. on the spot.

TRAGACANTH.—No. 1 ribbon is £175 to £180 per cwt.; No. 2, £135 to £140.

TURMERIC.—Madras finger on the spot is unchanged at 122s. 6d. per cwt. with June shipment now 82s. 6d., c.i.f.

WAXES.—BEES'—Dar-es-Salaam, shipment, 530s., c.i.f., spot, 560s.; Sudanese, 525s., duty paid, and 475s., c.i.f.; Abyssinian, spot 570s., duty paid, shipment, 490s., c.i.f. CANDLELLA.—Shipment, 500s. per cwt. landed; spot is scarce. CARNAUBA.—Fatty grey, spot, 600s. per cwt.; for shipment, 580s., c.i.f. Prime yellow, spot, 1,025s.; shipment, 1,035s., c.i.f., nominal.

WITCH HAZEL LEAVES.—Spot supplies are 2s. 3d. per lb.; June-July shipment, 2s. 1d., c.i.f.

Essential and Expressed Oils

ANISE.—Chinese, 15s. 10 $\frac{1}{2}$ d. per lb., spot; 15s. 1 $\frac{1}{2}$ d., c.i.f.

BAY.—West Indian is 11s. per lb. on the spot.

BERGAMOT.—Spot quotations are now 65s. per lb.

CAJUPUT.—Spot supplies are 15s. 9d. per lb. for 1-cwt. lots.

CAMPHOR, WHITE.—Chinese is 2s. per lb., duty paid.

CANANGA.—Spot is from 56s. to 62s.

CARAWAY.—English-distilled is offered at 55s., and imported from 33s. per lb.. duty paid.

CASSIA.—Original drums are about 14s. per lb. on the spot. Shipment, 13s. 3d., c.i.f.

CASTOR.—Minimum 2-ton lots of pharmaceutical quality, £1.59 per ton, naked ex mill, June-August delivery.

CEDARWOOD.—1-cwt. lots of American are 6s. 6d. per lb.

CELERY SEED.—Oil is 105s. per lb. for bulk lots.

CHAMOMILE.—English oil is offered at from 240s. to 256s. per lb.

CHENOPODIUM.—Spot supplies are 31s. per lb.

CINNAMON.—From quillings, English-distilled is quoted at 30s. per oz. Other B.P. oils available down to 90s. per lb. Ceylon leaf, 11s. per lb., spot.

CITRONELLA.—Ceylon, 7s. 3d. per lb. spot; shipment, 6s. 3d., c.i.f. Formosa spot, 12s., in bond; shipment, from 7s. 9d. to 12s., c.i.f. as to position. Java, 11s. to 11s. 9d., c.i.f.

COD-LIVER.—B.P. is 11s. 6d. per gall. in charged returnable drums. Veterinary is from 9s. 6d. per gall.

CORIANDER.—Russian-seed oil is quoted from 82s. 6d. per lb.

CUBEB.—Spot price for small lots is 50s. per lb.

DILL.—B.P. English-distilled oil is quoted at 60s. per lb. Imported oils are from 33s. 6d. per lb.

FENNEL.—Spanish sweet on the spot is quoted from 12s. per lb. with Russian at 18s. 6d.

GARLIC.—English is 55s. per oz.

GERANIUM.—Bourbon is from 105s. per lb. on the spot and Algerian, 72s. 6d.

GINGER.—English-distilled oil is 205s. per lb. Imported oils are now 170s. per lb., duty paid.

GINGERGRASS.—Offers are from 28s. per lb.

HYDNOCARPUS.—Spot is about 2s. 2d. per lb.

LEMONGRASS.—Spot, 14s. per lb. prompt shipment, 11s. 3d., c.i.f.

LIME.—Supplies of West Indian distilled are offered from 30s. to 32s. per lb. on the spot.

OTTO OF ROSE.—Bulgarian is 450s. and Turkish, 190s. per oz.

PALMAROSA.—East Indian, 60s., spot; 56s. 6d., c.i.f.

PENNYROYAL.—Spot is quoted at 23s. 6d. per lb., duty paid.

SPEARMINT.—Offers of U.S. oil for shipment are about 35s. 6d. per lb., c.i.f., with spot at 38s. Dutch quoted at 35s. duty paid, with Chinese offered at 27s. 6d.

UNITED STATES REPORT

NEW YORK: JUNE 5: Some slackening in re-sale business was noted on the United States chemical market. Producers of natural PHENOL followed the advance in synthetic material of last week by increasing their prices from 17 to 18 cents per lb. A large maker of anhydrous AMMONIA is reducing the price by \$5 to \$85 a ton on July 1. A number of BROMIDES were advanced during the week. Higher per lb. were AMMONIUM BROMIDE at 43 cents (up three cents); POTASSIUM and SODIUM BROMIDES, both at 38 cents (two cents). Price increases of three cents pushed METHYL SALICYLATE up to 59 cents and SODIUM SALICYLATE to 77 cents per lb. Also higher was PHENOLPHATHALEIN U.S.P., at \$1.15 per lb. (five cents). Bourbon VANILLA BEANS gained \$1 a \$8.50 per lb. Firmer reports on AGAI have been received from Japan, but trade is sluggish and No. 1 Kobé is five cents lower at \$1.90 per lb. In general CRUDE DRUGS are holding steady to firm in a relatively quiet market. As a whole, the market for ESSENTIAL OILS remained unchanged. However, Dalmatian SAGE, at \$4.10, was 15 cents lower per lb., SANDALWOOD, at \$13.50 (down 50 cents); and CELERY, \$12.75 (7 cents).

TRADE MARKS

APPLICATIONS ADVERTISED BEFORE REGISTRATION

From the "Trade Marks Journal," May 23

For non-medicated bath preparations (3)
CONUTOL, 750,190, by Hommel Pharmaceuticals, London, S.E.24.

For perfumes, toilet preparations, etc. (3)
HONEYMOON, 750,461, by Goya, Ltd., London, W.1.

For bactericidal and sterilising preparations possessing cleansing properties (5)
STERAMENE, 740,891, by Domestos, Ltd., Newcastle-on-Tyne, 6.

For dental impression paste (5)
SCANIAD, 742,875, by Scaniadentalmaterial Aktiebolag, Hägersten, Sweden.

For pharmaceutical preparations (5)
VITANOGEN, 743,509, by Bauer & Cie., Dusseldorf, 22A, Germany

For bronchiodilators being medicated preparations in tablet form (5)
CAYTINE, 745,231, by Lakeside Laboratories, Inc., Milwaukee, U.S.A.

For pharmaceutical preparations and substances (5)

Device with the word CLIN, B745,960, by Etablissements Clin-Byla, Paris, France.
ATENSINE, 748,371, by Silten, Ltd., Hatfield, Herts. HAPETS, 751,060, by Metropolitan Drug Co., Ltd., London, S.W.19.

For all goods (5)

BOLATOR, 745,624, by American Cyanamid Co., New York, U.S.A. PETAVIM, 748,182, by Eucryl, Ltd., Southampton. TERRABON, 749,510, by Chas. Pfizer & Co., Inc., New York, U.S.A. TUMFORTS, 749,800, by Genatosan, Ltd., Loughborough, Leics. CO-DELTRA, and CO-HYDELTRA, 749,967-68, by Merck-Sharp & Dohme, Ltd., Hoddesdon, Herts. PLACIDIN, 750,380, by Clinical Products, Ltd., Richmond, Surrey. DELTA-EFCORTELAN, 751,029, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

For medicinal preparations and substances (5)
RUMATBARM, 746,377, by Douglas Edward Watson Hutchinson, Nottingham.

For pharmaceutical preparations; and preparations in the form of liquid plastics for use in bandaging (5)

AEROPLAST, 746,672, by Aeroplast Corporation, Dayton, Ohio, U.S.A.

For pharmaceutical preparations of aspirin (5)
RASPRIN, 748,020, by E.G.H. Laboratories, Ltd., Salford, Lancs.

For bandages (5)
FINGOBAN, 748,121, by Stotherts, Ltd., Atherton, nr. Manchester.

For weed-killing preparations (5)

PREMERGE, 748,188, by Pan Britannica Industries, Ltd., Waltham Abbey, Essex.

For pharmaceutical preparations for the treatment of the skin (5)

HYDRODERM, 748,256, by Merck-Sharp & Dohme, Ltd., Hoddesdon, Herts. SKINALIX, 750,569, by Maurice Lavril, Paris, France.

For pharmaceutical preparations sold in phials for use by hypodermic injection (5)

SOLVULE, 748,273, by Boots Pure Drug Co., Ltd., Nottingham

For disinfectants and sterilising fluids (5)
BACTROFLOR, 748,800, by Bacterol (1950), Ltd., London, E.C.3.

For pharmaceutical, veterinary and sanitary substances, disinfectants; and preparations for killing weeds and destroying vermin (5)

Device, 749,750, by Veb Elektrochemisches Kombinat Bitterfeld, Bitterfeld, Germany.

For pharmaceutical preparations for human use by oral administration in the treatment of gynaecological disorders (5)

LUTORAL, 750,003, by The British Drug Houses, Ltd., London, N.1.

For pharmaceutical nutritional preparations for oral administration (5)

CONUTOL, 750,191, by Hommel Pharmaceuticals, London, S.E.24.

For pharmaceutical preparations and products for human use (5)

Device with the word WYETH, 750,497, by John Wyeth & Bro., Ltd., London, N.16.

For pharmaceutical preparations in tablet form (5)

SUPRINA, 750,688, by Ayrton Saunders & Co., Ltd., Liverpool.

For antiseptics, disinfectants, sanitary substances, deodorants, insecticides and preparations for destroying vermin, all in solid, liquid or powder form (5)

Device, 750,586, by New Hygiene, Ltd., London, N.7.

For photographic apparatus and photo-mechanical screens (9)

GRADYAR, 744,127, by Klinsch & Co., Frankfurt-on-Main, Germany.

For projection screens and parts (9)

MIRALUX, 747,181, by G.B. Equipments, Ltd., London, W.1.

For scientific instruments and apparatus (9)

OMA, 747,784, by Electroma (Industrial Equipment), Ltd., London, S.E.1.

For photographic masking frames for printing and enlarging (9)

AGIMASK, 750,924, by Agilux, Ltd., Croydon, Surrey.

For photographic, cinematographic, and optical apparatus (9)

ALDASPERIC, 751,030, by Aldis Bros, Ltd., Birmingham, 28. Device with the wording MONAX, SCOTLAND, 748,659, by John Moncrieff, Ltd., Perth. Device with the word JUNKALOR, 749,290, by Veb Junkalor Dessau, Dessau, Germany.

For electrically heated blankets and pads (10)

Device with the letters B.C. 745,128, by Beurer G.m.b.H., Ulm-on-Danube, Germany. DUNSON LULLABY, 750,750, by Dunson (London), Ltd., London, N.4.

For apparatus for use in assisting or promoting respiration by directly or indirectly inflating the lungs (10)

SPIRASHELL, 748,847, by the Medical Supply Association, Ltd., London, N.W.10.

For hearing aids (10)

AURALENS, 749,304, by Amplivox, Ltd., London, W.1.

From the "Trade Marks Journal," May 30

For chemical compounds of cadmium for use in industry (1)

CADMOSIN, 744,929, by Dr. L. C. Marquart, A.G., Beuel-on-Rhine, Germany.

For sensitised photographic films (1)

CRONAR, 746,753, by E. I. Du Pont de Nemours & Co., Wilmington, U.S.A.

For all goods (1)

GRISOVIN, 749,085, by Glaxo Laboratories, Ltd., Greenford, Middlesex.

For compressed gases (not for use as fuel) (1)

SATURN, 750,382, by Saturn Industrial Gases, Ltd., London, E.C.2.

For fertilisers (1)

PLANUTRINS, PLANTRINS, PLANTRIENTS, 750,515-17, by Henry Richardson & Co. (York), Ltd., Skeldergate Bridge, York. MAPIC, 750,685, by Betrand Roger Glaenzer, Paris, France.

For chemical preparations for the prevention of condensation on metal or glass surfaces (1)

MINIMIST, 750,932, by Solvolene Lubricants, Ltd., London, S.E.8.

For soaps and detergents, cleaning, polishing, scouring and abrasive preparations (3)

SPIN, 748,896, by Scottish Co-operative Wholesale Society, Ltd., Glasgow, C.5.

CHIME, 751,466, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne

For perfumes, toilet preparations (not medicated), cosmetic preparations, dentifrices, depilatory preparations, toilet articles, sachets for use in waving the hair, soaps and essential oils (3)

LUCKY NUMBER, 751,108, by Goya, Ltd., London, W.1.

For all goods (3)

YESS, B750,054, by Thomas Hedley & Co., Ltd., Newcastle-on-Tyne. MUFIN, 750,920, by Ashe Laboratories, Ltd., Leatherhead, Surrey.

For non-medicated toilet preparations in jelly form for the hands (3)

LEMGEL, 751,437, by Delisha Products Co., Dublin.

For non-medicated toilet preparations (3)

IGORA, 751,427, by Hans Schwarzkopf Kommanditgesellschaft, Hamburg-Altona, Germany.

For pharmaceutical preparations and substances (5)

TRIOPHIL, 738,545, by Phillips Ycast Products, Ltd., London, N.W.10. VALDON, 750,782, by Wallace Manufacturing Chemists, Ltd., London, N.W.3. UDENUM, 751,009, by Modkem, Ltd., Leicester. AMGEE, JOITS, 751,265-66, by Metropolitan Drug Co., Ltd., London, S.W.19.

For sedative tablets being medicinal preparations for human use (5)

CONFIDON, 739,552, by Wiggleworth, Ltd., Westhoughton, Lancs.

For all goods (5)

BERUN, B747,466, by Glaxo Laboratories, Ltd., Greenford, Middlesex. MELANOL, 748,901, by Bayer Products, Ltd., Kingston-on-Thames. EUBARBAL, 750,820, by Allen & Hanburys, Ltd., London, E.2. HEGASIN, 751,322, SPORODYL, 751,329, by The Wellcome Foundation, Ltd., London, N.W.1.

For chemical compounds or derivatives of succinic acid and preparations containing succinic acid, all for use in medicine and pharmacy (5)

FERSUXIN, 748,695, by Evans Medical Supplies, Ltd., Speke, Liverpool

For moth repelling and destroying preparations (5)

PARABENE, 749,148, by Thompson & Capper Wholesale, Ltd., Speke, Liverpool.

For pharmaceutical, veterinary and sanitary substances; and disinfectants (5)

NICOSETIL, 749,877, by Leda Chemicals, Ltd., London, N.18.

COMING EVENTS

Items for inclusion under this heading should be sent in time to reach the Editor not later than first post on Wednesday of the week of insertion.

Sunday, June 10

BIRMINGHAM PHARMACEUTICAL ASSOCIATION, Hall of Memory, Birmingham, at 10 a.m. Coaches leave for visit to Berkeley Castle (Glos), picking up passengers at Selly Oak at 10.20 a.m.

NORTH STAFFORDSHIRE BRANCH, PHARMACEUTICAL SOCIETY, Longton car park, Stoke-on-Trent, between 2 and 2.30 p.m. Assemble for motor rally and treasure hunt.

SHEFFIELD PHARMACY CLUB, Mr. Manton's, Meadow Head, Sheffield. at 2.30 p.m. Assemble for visit to Hardwick Hall.

Tuesday, June 12

EAST METROPOLITAN BRANCH, PHARMACEUTICAL SOCIETY, Swan hotel, Stratford Broadway, London, E.15, at 8 p.m. Annual meeting.

WEST MIDDLESEX BRANCH, NATIONAL PHARMACEUTICAL UNION, Feathers hotel, Broadway, Ealing, at 8 p.m. Mr. H. G. Moss (a member of the Union Executive and council of the P.A.T.A.) on "The Restrictive Trade Practices Bill."

Wednesday, June 13

SOUTH LONDON AND SURREY PHARMACISTS GOLF-SOCIETY, Langley Park golf club, Barnfield Wood Road, Beckenham, Kent, at 1.30 p.m. Summer meeting.

Thursday, June 14

ABERDARE AND MERTHYR BRANCH, PHARMACEUTICAL SOCIETY, Aberdare golf club, Abernart, Aberdare, at 1 p.m. Twelfth annual summer golf meeting.

Friday, June 15

NORTH OF ENGLAND SECTION, SOCIETY FOR ANALYTICAL CHEMISTRY, Imperial hotel, Llandudno, until June 18. Summer meeting.

PRINT AND PUBLICITY

Advertising Campaigns

TONI COSMETICS, LTD., Harlequin Avenue, Brentford, Middlesex: Adorn cream home permanent. In *Daily Express*, June 22.

CLAY & ABRAHAM (M.N.G.), LTD., 2 Upper Duke Street, Liverpool, 1: Ulecanol. In *British Dental Journal* every two months.

ALFRED FRANKS & BARTLETT CO., LTD., 226 Gray's Inn Road, London, W.C.1: Bartex sunglasses. In *Sunday Pictorial* (June 10), *Daily Mirror* (June 12), *Picure Post* (June 16), *News of the World* (June 17).

KIMBERLY-CLARK, LTD., Highgate Road, London, N.W.5: Kotex sanitary towels. In women's leading weekly and monthly magazines.

EUCRYL, LTD., 7 Oakley Road, Southampton: Dentiline. In *Daily Express*, July 2.

WARNER, HARVEY & CO., LTD., 28B Albemarle Street, London, W.1: Raymond colour rinse. In *London Evening Standard* and *Star*, commencing June.

Commercial Television

THE following products are being advertised on the days stated:

MANCHESTER STATION

SUNDAY, June 17: Colgate dental cream (between 7.30 and 10.30 p.m.); Kolynos.

DAILY, June 18-22: Silvikrin liquid shampoo.

MONDAY, June 18: Fynnon (at 8 p.m.).

THURSDAY, June 21: Knight's Castile soap (between 7.25 and 10.5 p.m.).

FRIDAY, June 22: Kodak film (between 7.25 and 10.5 p.m.).

SATURDAY, June 23: Brylcreem.

DAILY, June 17-23: Field's French soaps (two appearances).

BIRMINGHAM STATION

SUNDAY, June 17: Colgate dental cream (between 7.30 and 10.30 p.m.); Kolynos.

TUESDAY, June 19: Knight's Castile soap (between 7 and 8 p.m.).

THURSDAY, June 21: Gibbs' S.R. tooth-paste (between 8 and 10 p.m.).

FRIDAY, June 22: Kodak film (between 8 and 10 p.m.).

SATURDAY, June 23: Silvikrin liquid shampoo; Brylcreem.

DAILY, June 17-23: Field's French soaps (two appearances).

LONDON STATION

SUNDAY, June 17: Colgate dental cream (between 7.30 and 10.30 p.m.); Beecham's pills; Max Factor beauty preparations (between 8 and 9 p.m.); Brylcreem (between 8 and 9.30 p.m.); Anne French preparations.

TUESDAY, June 19: Knight's Castile soap; Kolynos.

WEDNESDAY, June 20: Gibbs' S.R. tooth-paste (between 10 and 10.30 p.m.).

FRIDAY, June 22: Kodak film (between 7.55 and 10.5 p.m.); Beecham's pills; Anne French preparations.

SATURDAY, June 23: Silvikrin liquid shampoo; Brylcreem.

DAILY, June 17-23: Field's French soaps (two appearances).

WILLS

MR. T. H. DOUGHTY, 27 Winchester Road, Andover, Hants, who qualified as a chemist and druggist in 1898, left £2,560 (£2,516 net).

MR. A. J. FAIRLEE, M.P.S., 71 Lavender Hill, London, S.W.11 (founder and chairman, A. J. Fairlee, Ltd.), left £12,814 (£12,510 net).

MR. T. E. FURNESS, Windmill House, Clarendon, Oxon, who qualified as a chemist and druggist in 1903, left £17,126 (£17,011 net).

MR. F. W. GARDNER, 60 Culverden Park Road, Tunbridge Wells, Kent, who qualified as a chemist and druggist in 1887, left £9,478 (£9,348 net).

MR. W. P. JONES, M.P.S., 61 High Street, Barnet, Herts left £14,451 (£14,100 net).

MR. A. D. LLEWELLYN, M.P.S., The Cross Pharmacy, Nailsworth, Glos, left £4,856 (£3,565 net).

MR. D. S. NAPIER, M.P.S., 17 Bristo Place, Edinburgh, left personal estate in England and Scotland valued at £14,912.

MR. H. E. S. PARSONS, Scots Craig, St. Ives, Cornwall (a director, Phosferine, Ltd.), left £33,267 (£21,348 net).

MR. C. C. RUTHERFORD, 43 Westleigh Avenue, Putney Hill, London (a director, Gillette Industries, Ltd.), left £80,031 (£64,749 net).

MR. F. SLIGHT, M.P.S., Brendon, Norman Road, Thornewood, Nottingham, left £40,309 (£40,250 net).

MR. R. W. E. STICKINGS, O.B.E., F.R.I.C., Carisbrooke, Westbury Drive, Brentwood, Essex (managing director, May & Baker, Ltd., and chairman, M. & B. Plastics, Ltd.), left £28,577 (£16,484 net).

MR. P. G. TREMLETT, 22 Merton Road, Southsea, Hants, who qualified as a chemist and druggist in 1903, left £12,247 (£12,215 net).

MR. T. W. WALKER, M.P.S., 358 Manford Way, Chigwell, Essex, formerly of Albemarle Gardens, Ilford, left £4,409 (£2,776 net).

MR. G. R. T. WATSON, M.P.S., 192 Northdown Road, Cliftonville, Margate, Kent, left £2,264 (£1,490 net).

MR. G. N. WILLEY, M.P.S., 12 Charlton Court, Stockwell Lane, Knaresborough, Yorks, left £8,112 (£7,586 net).

MR. J. B. WILSON, 4 Dean Terrace, Liskeard, Cornwall, who qualified as a chemist and druggist in 1898, left £18,372 (£18,070 net).

C. & D. WEEKLY LIST OF PRICES

A=Advanced; R=Reduced; I.R.P.=Inclusive Retail Price; *=Tax 30 per cent.; †=Tax 90 per cent.

BIOREX LABORATORIES, LTD.

	Doz.	I.R.P.
Biofergate tablets	100	44 0
dispensing pack	1,000	28 6 R
Biacetyl lotion*	4 oz.	48 0
Biotone tonic elixir* 8 oz.	32 6	4 10 A
dispensing pack 80 oz.	21 9 A	

THE BRITISH DRUG HOUSES, LTD. (from June 1)

	4 fl. oz.	10 6 A
16 fl. oz.	22 9	34 2 A
80 fl. oz.	113 10	170 0 A
Packing	1 6	
Radiostol solution	100 mils	2 0
	500 mils	5 9
	500 mils	8 8 A

(The price of the 25-mil bottle is unchanged.)

VITAMINS, LTD. (from June 11)

	Doz.	
Befortiss tablets	25	10 6
	100	27 3
	500	8 4
	1,000	15 0
Bccovite tablets	25	20 6
	100	62 0
	500	23 2
	1,000	45 0

P.A.T.A. PROTECTED LIST

(Alterations notified this week by the Proprietary Articles Trade Association.)

ALLEN & HANBURY'S, LTD. (from June 4)

	Doz.	
Allenburys diet	½-lb.	31 0
	1 lb.	60 0
	2 lb.	110 0

NEW PRODUCTS AND PACKS

ALLEN & HANBURY'S, LTD.

	Each
Choledyl tablets	100 mgm.

	100 mgm.	500	37 4	56 0
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INNOXA (ENGLAND), LTD.

ARTHUR H. COX & CO., LTD.

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ERIC C. CLEAVER, LTD.

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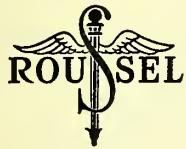
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WILLIS



- | | |
|-----------|----------------------------------------------------------------------|
| NO | SYSTEMIC EFFECTS
<i>—from the hormone</i> |
| NO | LOCAL SIDE-EFFECTS
<i>—burning, stinging or irritation</i> |
| NO | SENSITISATION |
| NO | CONTRA-INDICATIONS |

HYDROCORTISYL

WATER-SOLUBLE HYDROCORTISONE
SKIN LOTION AND SKIN OINTMENT

Relieves **PRURITUS**
in a few minutes

Reduces **ERYTHEMA**
in a few hours

Dries **WEEPING**
in a few days

Perfect tolerance

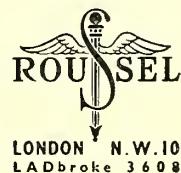
Rapid effect due to
the hormone being in true
solution

Makes the skin smooth,
soft and supple.

For example, as in:

Infantile and allergic Eczemas
Contact dermatitis and Chronic dermatitis

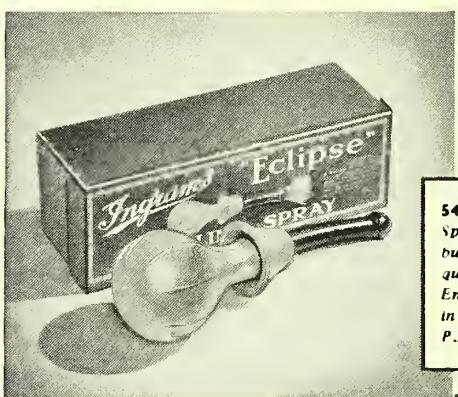
Plastic bottles of 20 ml. lotion $\frac{1}{2}\%$ and 1%
Tubes of 5 G. and 15 G. ointment $\frac{1}{2}\%$, 1% and 2.5%



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507. *Perfec Enema, medium bulb, red or black enamelled finish. Individually boxed complete as above. On P.A.T.A. approved list.*



546. *Eclipse Whirling Spray, stout ribbed rubber bulb 8 oz, fitted with best quality vulcanite pipe. Enamelled finish. Packed in stout card box. On P.A.T.A. approved list.*

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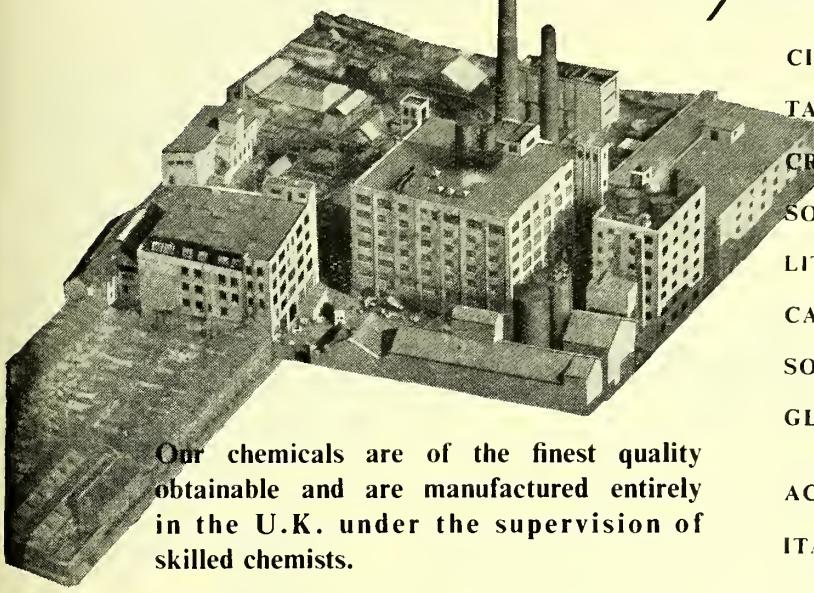
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- LITHIUM SALTS
- CALCIUM GLUCONATE
- SODIUM GLUCONATE
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(GLUCONIC ACID ANHYDRIDE)
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Manesty Automatic Water Stills are available with outputs from 2 pints to 50 gallons per hour and models can be supplied with heating by gas, electricity, paraffin or steam.

Distilled water produced is above the requirements of the British Pharmacopoeia.

FROM 2 PINTS TO 50 GALLONS PER HOUR

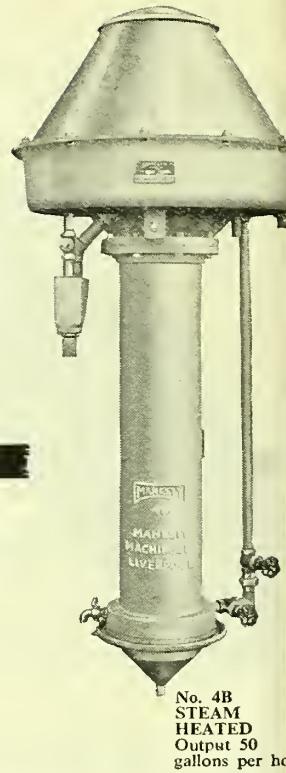
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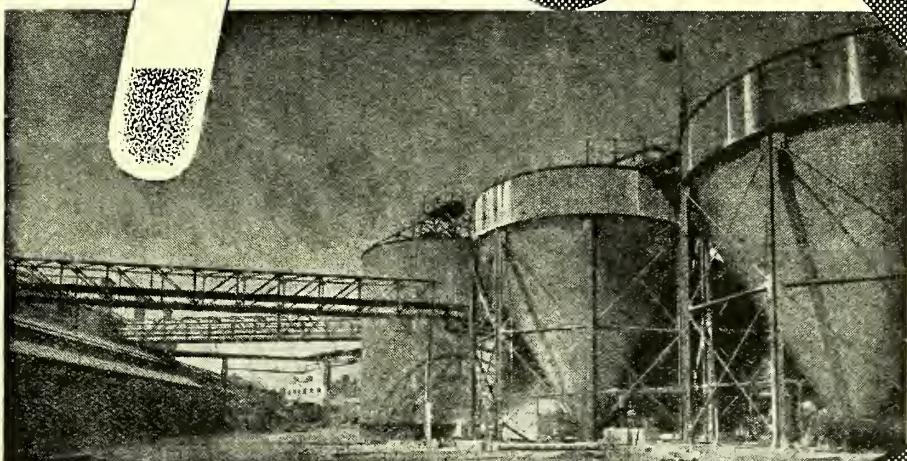
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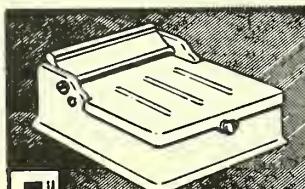
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Useful for instruction slips,
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The Labeller is clean and speedy in operation; with the brush moistening device labels are just "flicked through" between the pressure bar and over the brush and this ensures not too much or too little moisture to the labels, just sufficient all over moistening to gummed surface.

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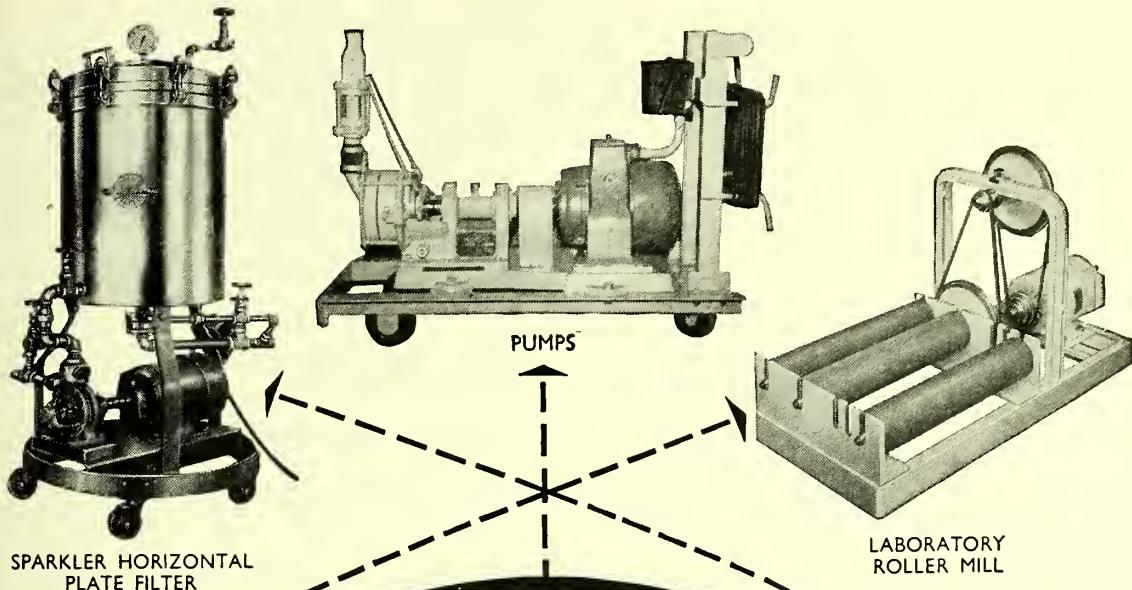
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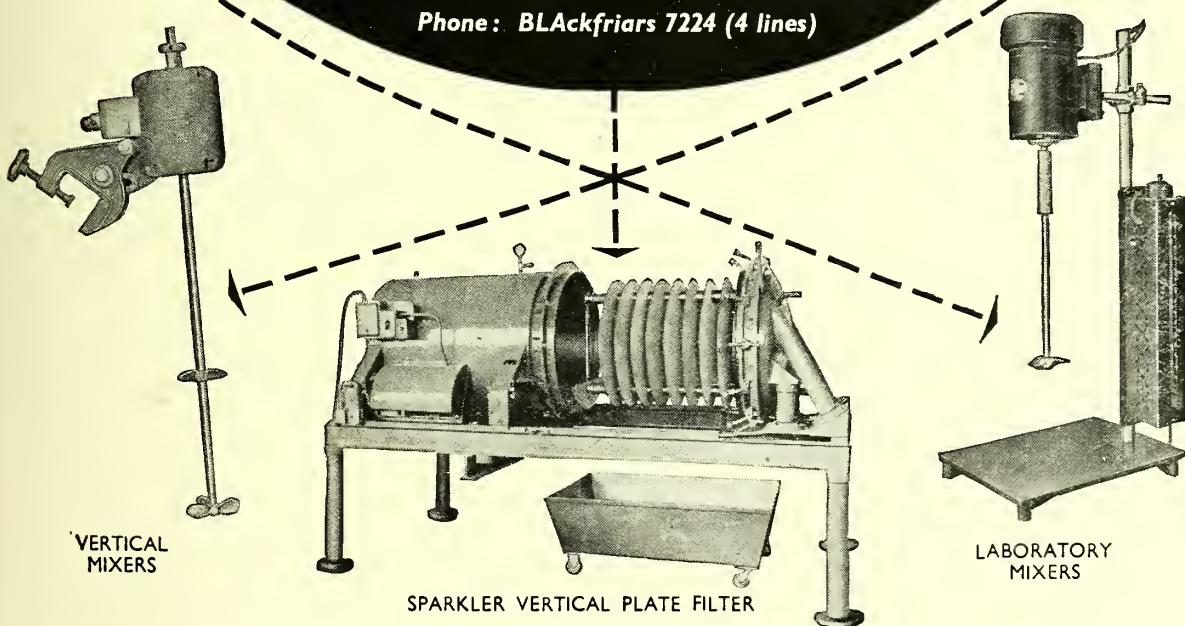
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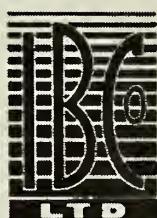
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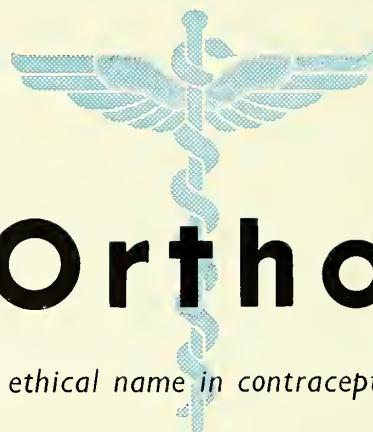
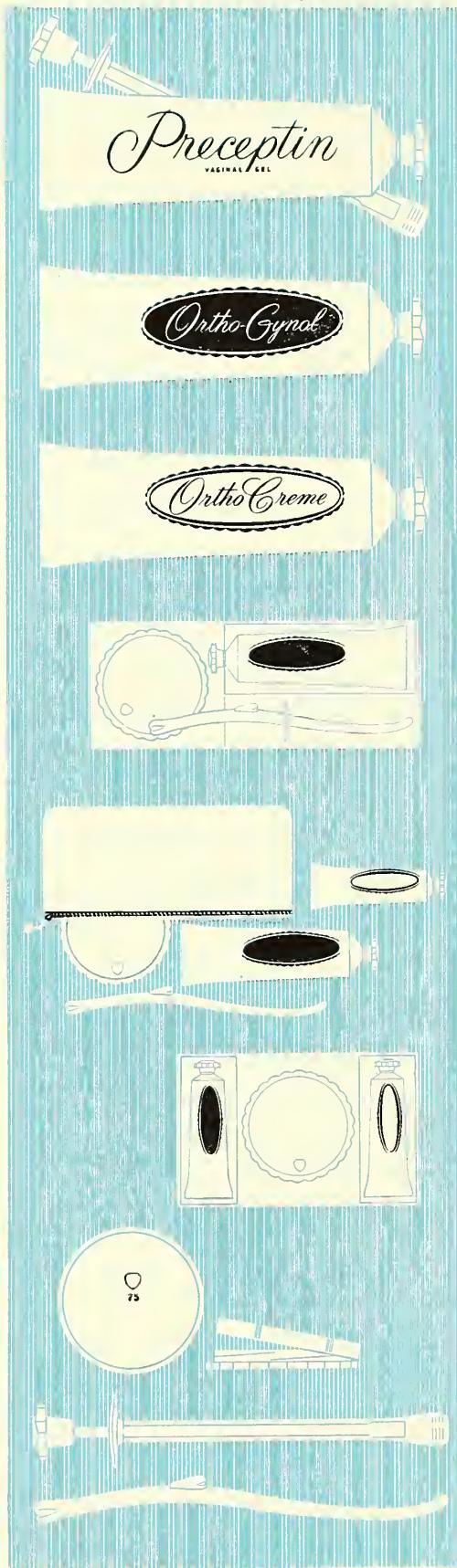
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Package A: 85 gm. tube, with Ortho Applicator

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Ortho Diaphragm

Ortho Diaphragm Introducer } in sizes 55 to 95

(in 5 mm. gradations)

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For vaginal application of measured dose (5 cc.) Ortho-Gynol, Ortho Creme or Preceptin Vaginal Gel

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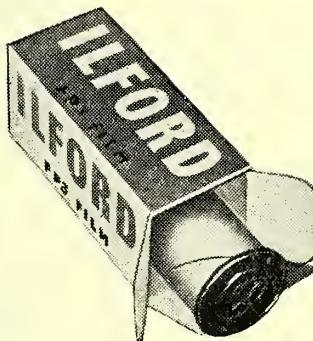
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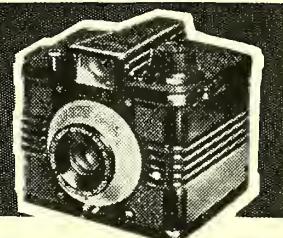
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This advertisement in the big, national newspapers is a timely reminder of... Kwells. Although vast numbers will not need reminding. They know from past experience that Kwells are effective—and safe.

KWELLS PREVENT TRAVEL SICKNESS

for the whole family

How nice to know, before the start, that everyone will enjoy the journey—even little Janet, who usually "reacts" to the slightest wobble.

The Kwells-protected family faces any journey confidently, for Kwells are the most effective preventers of travel sickness. Official tests

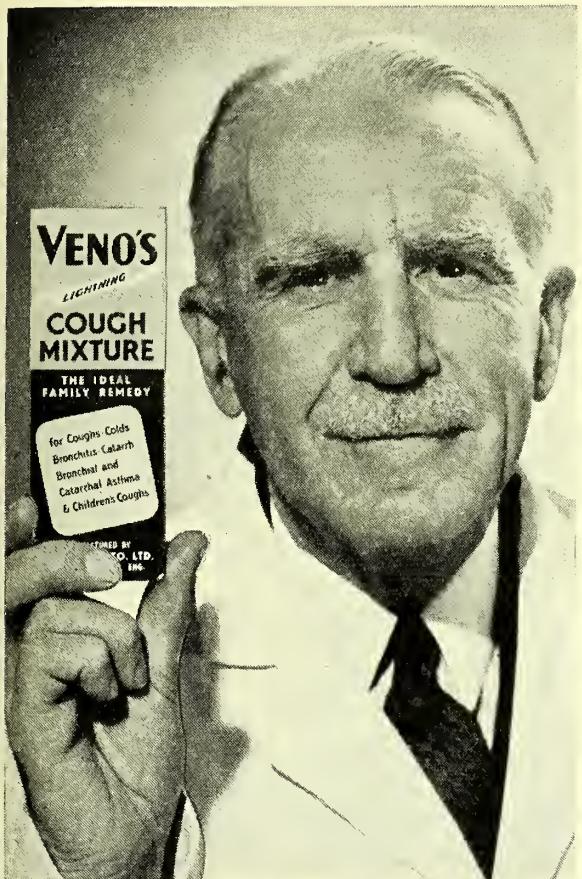


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MEET YOUR CUSTOMER'S NEEDS . . .

A combined parcel (sorted as required) of these nationally-advertised QUICK sellers brings you best Display Terms.

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What other Gastric and Duodenal Ulcer Tablet shows up to

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**'MEDA
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GASTRIC TABLETS

Retail price including P.T. 1/10d, 8/1½d, 23/1d. Low priced introduction size has extremely high selling potential. Meda 500 tablets can be recommended with absolute confidence being at least equal and we believe superior to any gastric and duodenal ulcer preparation at present marketed.

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DIABETIC LIME JUICE

Rose's originally produced their Diabetic Lime Juice expressly for diabetics. But now, more and more people are getting to know that limes have less sugar content than any other fruit; second, that Rose's Diabetic Lime Juice is free from added sugar. They know it as an invaluable aid to healthy slimness, as well as a refreshing and delicious drink.

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Ensure that your stocks are sufficient to meet this demand.

ROSE'S ALSO PRODUCE ORANGE SQUASH & LEMON SQUASH, AS WELL AS SUGAR-FREE MARMALADE, IN THEIR DIABETIC RANGE



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CARRUGAN milk contains all the necessary vitamins.

PACKING: CARRUGAN is available in packs of 2 oz. tins (retail price 10/11) 4 oz. tins (retail price 19/11).

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Stabilized Wheat Germ
PLAIN AND CHOCOLATE-FLAVOURED

Exceptionally rich in B complex vitamins, protein and iron, BEMAX is a natural dietary supplement of wide application for patients of all ages.

	Dozen	Quantity Terms	Quantity terms available on minimum orders of 3 dozen x 3/- or the equivalent in the 1/9 and 5/6 sizes ($1 \times 3/- = 2 \times 1/9 = \frac{1}{2} \times 5/6$).
1/9 carton at	16/6	16/- dozen	
3/- " "	28/6	27/3 "	
5/6 " "	52/6	50/- ..	

PREGNAVITE during pregnancy

to meet the special nutritional demands of pregnancy, adequate vitamin-mineral intake is ensured by routine treatment with PREGNAVITE.

Prices	RETAIL	CHEMISTS
60	4/-	33/4 per doz.
120	7/4	59/10 " "
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VITAVEL SYRUP for the child

no lack of co-operation when vitamin supplementation has the delicious flavour of VITAVEL SYRUP. (A, B₁, C and D).

PACK	RETAIL	CHEMISTS
6 fl. ozs.	3/9	2/6
40 fl. ozs.	24/-	16/-



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VITAMINS LIMITED

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Burson Stockings, made exclusively on special knitting looms, are the product of ten years' intensive research into the making of surgical stockings.

Always dispense and recommend Burson 2-Way Stretch Hosiery and ensure your customers' complete satisfaction. The quality—finish—colour and durability of Burson Hose make them the first choice of those who appreciate the best. Burson Stockings are fully fashioned and virtually indiscernible in use.

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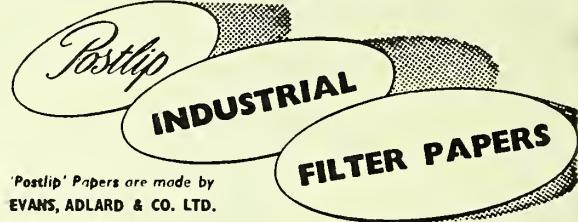
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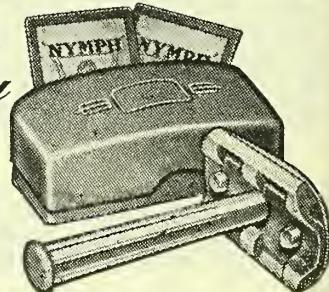


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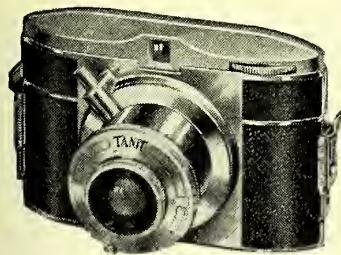
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The Ferrania TANIT camera is designed to halve the cost of film by taking 16 instead of 8 pictures on one roll.

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120	8	$2\frac{1}{2} \times 3\frac{1}{2}$	2 8½	3 1
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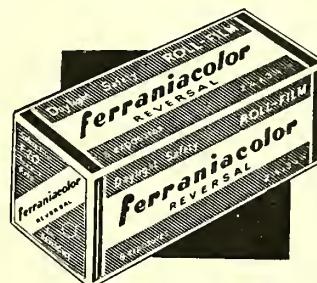
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For fungus infections of the skin . . .



In fungus infections of the skin such as tinea pedis (athlete's foot), tinea cruris (dhobi itch), moniliasis, etc., certain higher fatty acids are becoming an accepted treatment.

Undecylenic acid with its zinc salt is present in DECILDERM Ointment and Powder (Duncan), and appears to be the most effective of these acids for fungus infections.

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Superfine Cotton Wool

This is a very old Trade Mark of ours and a product for many years in use by the Medical Profession and all those requiring a First Class Superfine Cotton Wool. Now packed in attractive white Cartons in various sizes and would be readily acceptable to your more exacting customers.



Of course this is just one of our Manufactures. We also supply in Cartons all BPC Dressings in Cotton Wool, Lint and Gauze.



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'WOMAN'
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 will reach
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TRESS, already one of the biggest selling wave sets, will reach an even wider market with the addition of this half-size pack. Be sure you have stocks to meet an entirely new demand for 1/9d Tress. The large size will still continue in demand by enthusiasts who have formed the habit of buying Tress at 2/10½d per bottle.

TRADE TERMS

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BEATSON
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Attractive presentation and sound functional design are both provided by the Beatson Ribbed Oval.

A wide range is available, both Cork Mouth and Screw Neck, with either White Enamelled or Black Plastic Caps.

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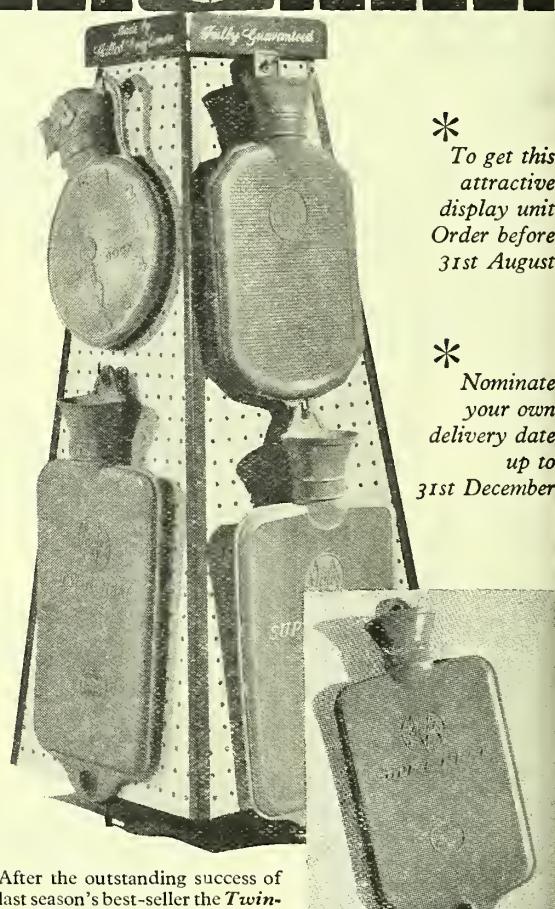
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PEG-BOARD DISPLAY UNIT

with every gross or more of hot-water bottles



* To get this attractive display unit Order before 31st August

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After the outstanding success of last season's best-seller the *Twin-Heat*, Maw's now introduce another top quality bottle for maximum heat with comfort

— the new **SUPER-HEAT**

MAW'S comprehensive range now includes 11 designs for adults and children—all in the finest quality rubber in a choice of colours, blue, pink, green or red. See your Maw's Man about this wonderful new offer, or write directly to-day to:



*S. Maw Son and Sons Ltd.
Barnet, England*

from Chemists only



This summer, every other family in your neighbourhood will see 'LOREXANE' advertising in the RADIO TIMES. Some of them will pay no more notice than fly in the air. But hundreds and thousands of them won't feel at ease till they get 'Lorexane' in their homes. Every fly buzzing in the kitchen will remind them to go out and buy. Put 'Lorexane' in your window; put 'Lorexane' on your counter. Put money in your pocket—with the help of the RADIO TIMES.

one of the products that MOVE with the RADIO TIMES

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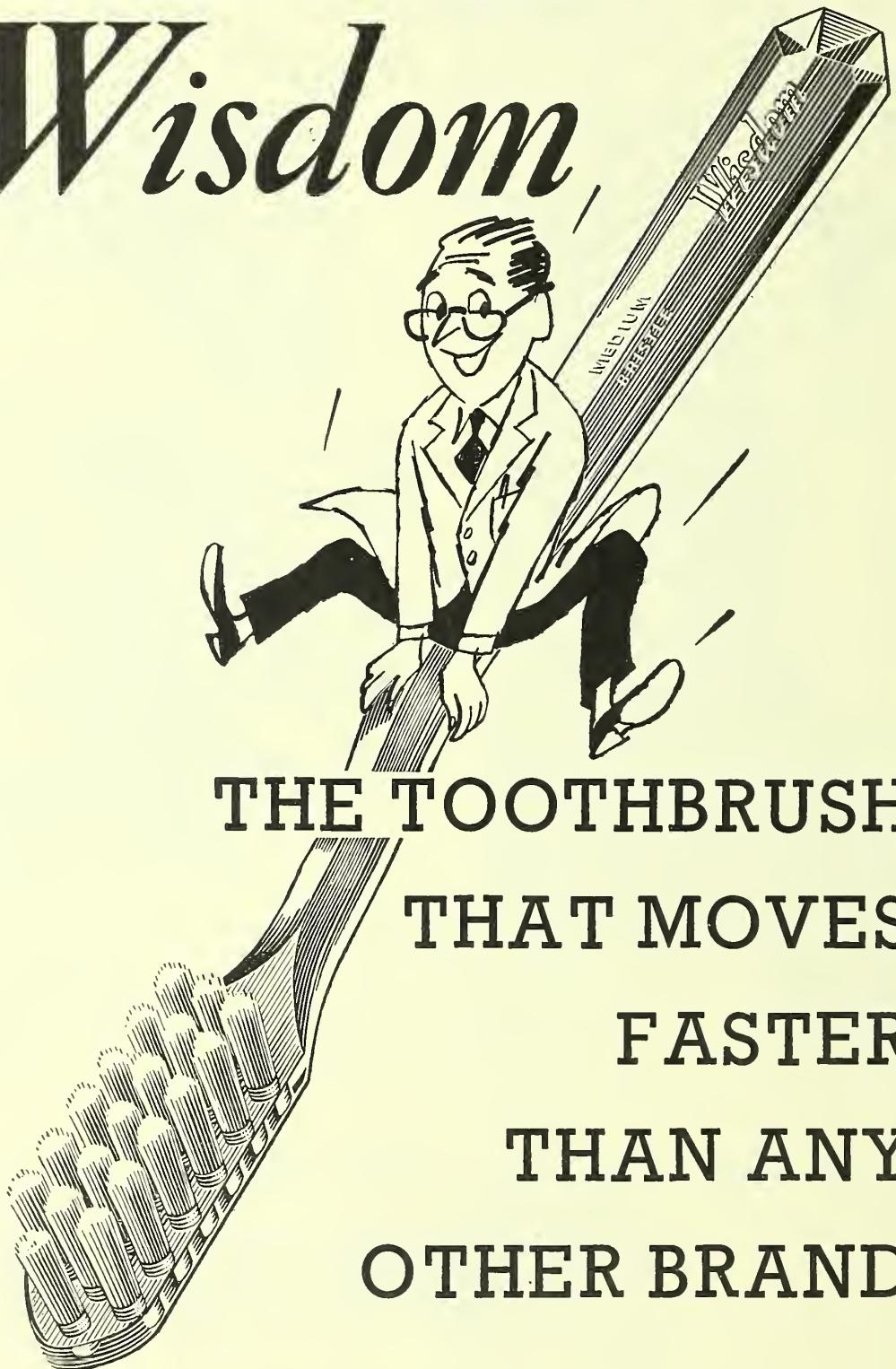
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Be wise—sell
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THAT MOVES
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THAN ANY
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The CHEMIST AND DRUGGIST

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Supplement

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ORRIDGE & COMPANY**CHEMIST BUSINESS TRANSFER AGENTS AND VALUERS****BRANCHES: BIRMINGHAM · SOUTHAMPTON · LIVERPOOL · SHEFFIELD · CARDIFF**

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Premises to Let17/6 for 36 words (min.) then 4d. per word
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SWANSEA AND EXETER. Shops to let in both these busy important towns in multiple position with all multiples adjoining. Reasonable rent without premium. Write owner, Box C 3683.

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NEAR BIRMINGHAM. Old-established business. No overheads. Gross profit over 30 per cent. Stock and fixtures at valuation. Approximately £900. Living accommodation and ample storage space. No goodwill asked. Bargain. Apply White & Luckman, 90 Stoneleigh Road, Birmingham, 20. C 3723

WEST WALES. Situated in main trading position, well-established drug store in coastal and market town near doctors. Pleasant surroundings. Excellent scope development under pharmaceutical ownership. Spacious freehold property and living accommodation. Box C 3726.

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PUBLIC TRUST COMPANY interested in the purchase of manufacturing and/or distributing pharmaceutical business earning £10,000 per annum. Alfred Neale & Co., Solicitors, 118 Cheapside, London, E.C.2. C 3697

APPOINTMENTS18/- per half inch (min.) and pro rata.
Box 2/-**ADMIRALTY PHARMACISTS**

Applications are invited from Pharmaceutical Chemists for posts as pharmacists in R.N. Hospitals and Medical Depots at Home and Abroad. Salary scale £500 x £25—£575 x £30—£725. Starting pay according to previous professional experience. Allowance of £25 a year payable in addition to holders of recognised qualifications higher than the normal pharmaceutical qualification. Foreign Service Allowance payable overseas. Prospects of promotion to higher ranks. Superannuation benefits under National Health Service (Superannuation) Regulations 1950: deduction of 6 per cent. made from salary on that account. (Pharmacists due to be entered for compulsory National Service cannot be accepted as candidates for entry in this civilian grade.) Apply to, or call at: Medical Department, Admiralty, Queen Anne's Mansions, St. James's Park, London, S.W.1. C 9931

ENFIELD GROUP HOSPITAL MANAGEMENT COMMITTEE

Senior Pharmacist required for duties within the Group. Salary scale £575—£775 per annum.

Part-time Pharmacist required for five sessions per week, for duties within the Group. Salary 31s. per session of our hours.

Apply to the Group Secretary, Enfield Group Hospital Management Committee, Chase Farm Hospital, The Ridgeway, Enfield, Middlesex, giving the names and addresses of two referees. C 5257

SHOPS**25/47 Tattenham Crescent
BANSTEAD**

Chemist required towards complement of Trades in terrace of 13 shops nearing completion. 8 already let to:

Grocery & Provisions (2). Butchers (2). Fruiterer & Greengrocer. Hardware & Domestic. Boots & Shoes. Tobacco & Confectionery.

Large supporting residential area; spacious shops 18ft. x 40ft. and 2 upper residential floors; rents £468 p.a., lease 21 years, tenants to fit fronts.

Plans and particulars from:—

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|Shop Property Agents

195 Victoria Street, London, S.W.1

Phone: VICTORIA 1074/5/6

C 3737

**BARNET GENERAL HOSPITAL,
WELLHOUSE LANE,
BARNET, HERTS**

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist (Category V). The Pharmacy Department is new and well equipped. Salary £575—£775 plus London Weighting. Applications stating age, experience, names two referees, to Hospital Secretary C 266

BUCKLAND HOSPITAL, DOVER

Assistant-in-Dispensing

required at the above hospital for the period June 11 to July 7, 1956, for holiday duty. Salary in accordance with National Scales. Applications in writing to the Hospital Secretary, giving names and addresses of two referees. C 5232

CENTRAL MIDDLESEX

HOSPITAL,

PARK ROYAL, N.W.10

Post-graduate Student

A vacancy will occur in the Autumn for this position. Salary £350 p.a. plus London Weighting. Applications are invited giving details of age, education and qualifications, and the names of two referees, to Chief Pharmacist, C 5195

**CHELTONHAM GROUP
HOSPITAL MANAGEMENT
COMMITTEE**

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist at the Cheltenham General, Eye & Children's Hospital, vacant early August. The salary and conditions of service will be in accordance with the Whitley Council decisions £575 x £30 (5)—£725 x £25 (2)—£775 and subject to the National Health Service (Superannuation) Regulations.

Applications stating age and experience, together with the names of three referees should be sent immediately to the Group Secretary, Cheltenham General, Eye & Children's Hospital, Sandford Road, Cheltenham. C 5214

184 STRAND, W.C.2

Tel.: TEMple Bar 9212/3 & 6340

WHOLESALE AND RETAIL

**CHERRY KNOWLE HOSPITAL,
RYHOPE, nr. SUNDERLAND,
co. DURHAM**

Pharmacist

Full-time Chief Pharmacist, Category I, or part-time (sessional rates as Pharmacist-in-sole-charge), Health Service scales and conditions. Active Psychiatric Hospital of 850 beds. Written applications forthwith to the Group Secretary. C 5222

**GENERAL HOSPITAL,
NOTTINGHAM**

Locum Pharmacist

required for a period of four months, commencing as soon as possible. Salary sixteen guineas weekly. Apply giving full particulars to Group Secretary, General Hospital, Nottingham. C 268

**HAREFIELD HOSPITAL,
HAREFIELD, MIDDLESEX**

Assistant-in-Dispensing

required. Salary according to age and experience on scale rising to £495 p.a. (this includes London Weighting), with additional £20 p.a. if holding approved qualification. Applications, giving age, qualifications and experience together with two testimonials to the Medical Director. C 5242

**HIGHBURY HOSPITAL,
BULWELL, NOTTINGHAM**

Locum Pharmacist

required for holiday duties for periods 18-30 June, 16-28 July, and 4-10 October. Rate of pay £16 16s. per week. Applications in writing to be sent to Group Secretary, General Hospital, Nottingham. C 5182

**HIGHBURY HOSPITAL,
BULWELL, NOTTINGHAM**

Assistant-in-Dispensing

required. Salary and conditions of service in accordance with National Agreement, on an inclusive scale £260 at age 20 rising to £465 per annum, plus additional allowance in respect of certain qualifications. Apply to Group Secretary, General Hospital, Nottingham. C 5184

**HIGHLANDS GENERAL
HOSPITAL,
WINCHMORE HILL, N.21**

Pharmacist

for holiday relief. Two weeks from August 20. Fee 16 gns. per week. Apply Hospital Secretary. C 5261

**ILFORD AND BARKING GROUP
HOSPITAL MANAGEMENT
COMMITTEE**

Assistant Dispenser

Applications are invited for the following holiday locum at King George Hospital, Ilford. (Apothecaries' Hall qualification) July 2 for three weeks. Applications to the Group Secretary. H. F. HARRIS, Group Secretary, King George Hospital, Ilford. C 5227

**LAMBETH HOSPITAL,
BROOK DRIVE, S.E.11****(Acute General Hospital, 510 beds)**

Senior Pharmacist

Applications are invited for the post of Senior Pharmacist in a department which is being enlarged with consequent increase in the number of staff. Salary (plus London Weighting) in accordance with Whitley Council scale. Applications, stating age, experience, qualifications and names of two referees to the Secretary. C 256

Appointments—Continued**KENT AND CANTERBURY HOSPITAL, CANTERBURY**

Senior Pharmacist

required for the Group Pharmaceutical Department at the above hospital. This post offers excellent experience in all branches of pharmacy. The department services the Canterbury Group, comprising eleven hospitals with a total of approximately 1,000 beds. Salary (Category IV hospitals) £575 x £30 (5)—£725 x £25 (2)—£775 per annum. Higher qualifications allowance payable as appropriate. Applications with full details and copies of three testimonials to be forwarded within ten days of the appearance of this advertisement to the Group Secretary, Central Office, Nunney Fields Hospital, Canterbury, Kent. C 5258

LAMBETH HOSPITAL

Locum Pharmacist

required at Lambeth Hospital, Brook Drive, S.E.11, for indefinite period. Salary 15 gns. per week or according to experience. Phone: Chief Pharmacist, Rel. 3804. C 249

MOORFIELDS WESTMINSTER & CENTRAL EYE HOSPITAL

(Category V)

Senior Pharmacist

Applications are invited for the position of Senior Pharmacist at this Hospital. Salary (plus London Weighting) in accordance with Whitley Council Scale. Applications, with names of two referees should be addressed to the Chief Pharmacist, Moorfields Westminster & Central Eye Hospital, City Road, London, E.C.1. C 5243

MOORFIELDS WESTMINSTER & CENTRAL EYE HOSPITAL

(Category V)

Pharmacist

Applications are invited for the position of Pharmacist at this Hospital. Salary (plus London Weighting) in accordance with Whitley Council Scale. Applications, with names of two referees should be addressed to the Chief Pharmacist, Moorfields Westminster & Central Eye Hospital, City Road, London, E.C.1. C 5244

MOORFIELDS WESTMINSTER & CENTRAL EYE HOSPITAL

(Category V)

Assistant-in-Dispensing

Applications are invited for the position of Assistant-in-Dispensing at this Hospital. Salary (plus London Weighting) in accordance with Whitley Council Scale.

Applications, with names of two referees should be addressed to the Chief Pharmacist, Moorfields Westminster & Central Eye Hospital, City Road, London, E.C.1. C 5245

MOORFIELDS WESTMINSTER & CENTRAL EYE HOSPITAL

(Category V)

Locum Assistant-in-Dispensing

required from June 18 to September 29. Apply Chief Pharmacist, Moorfields Westminster & Central Eye Hospital, City Road, London, E.C.1. C 5245

NEASDEN HOSPITAL, BRENTFIELD ROAD, N.W.10

Assistant-in-Dispensing

(whole-time) required, Whitley Council salary scale. Apply to Chief Pharmacist. C 5203

NOTTINGHAM & MIDLAND EYE INFIRMARY

Locum Pharmacist

required, August 13-28. Salary sixteen guineas weekly. Apply giving full particulars to Group Secretary, Nottingham No. 1 Hospital Management Committee, General Hospital, Nottingham. C 267

NEW END HOSPITAL, HAMPSTEAD, N.W.3

Locum Tenens Pharmacist

required June 25-July 7, at the above hospital, 16 gns. per week. Apply, Group Secretary, 46 Cholmeley Park, Highgate, N.6. (Arc 3070, extension 8.) C 5228

STAINES GROUP HOSPITAL MANAGEMENT COMMITTEE

Pharmacist

required at Ashford Hospital, Ashford, Middlesex, on salary scale £500-£725 per annum, plus London Weighting. Post now vacant. Applications, stating age, qualifications and experience, with copies of up to three recent testimonials, to Medical Director of Hospital immediately. C 262

THE CHEMIST AND DRUGGIST
Supplement**SHEFFIELD NO. 1 HOSPITAL MANAGEMENT COMMITTEE**

Locum Pharmacist

required at the City General Hospital, June to September. Rate of pay £16 16s. per week. Apply giving full details and period available to the Group Secretary at Nether Edge Hospital, Sheffield, 11. C 5233

STAINES GROUP HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

required at Ashford Hospital, Ashford, Middlesex, Salary 16 gns. per week. Applications, stating age, qualifications and experience with copies of up to three recent testimonials to Medical Director of Hospital immediately. C 260

ST. ALFEGE'S HOSPITAL, GREENWICH, S.E.10

Locum Pharmacist

(long- or short-term) required. Salary 16-17 guineas weekly according to experience. Apply Chief Pharmacist at hospital (Tel.: Gre 2655-2656). C 5200

ST. ALFEGE'S HOSPITAL, GREENWICH, S.E.10

(Category IV)

(a) Deputy Chief Pharmacist

(b) Senior Pharmacist

Applications are invited for the posts of (a) Deputy Chief Pharmacist, salary £655—£880 p.a.; (b) Senior Pharmacist, salary £605—£805 p.a., in a well-equipped department at the above hospital, which may be inspected by arrangement with the Chief Pharmacist, Whitley Council conditions. Applications to Acting Secretary, G. & D./H.M.C., at above hospital. C 5201

ST. BARTHOLOMEW'S HOSPITAL, LONDON, E.C.1

Pharmacist

Vacancy will exist from July 1. Pleasant new accommodation available for woman pharmacist in West 1 district of London at economic rent. Write to the Chief Pharmacist. C 5236

ST. GEORGE'S HOSPITAL, HYDE PARK CORNER, LONDON, S.W.1

Pharmacist

required for this teaching Hospital. Salary in accordance with Whitley Council scale. Applications to Chief Pharmacist. C 5204

ST. GEORGE'S HOSPITAL, S.W.1

Chief Pharmacist

Applications are invited for the appointment of Chief Pharmacist. Duties to begin on or about October 1 next. The holder will be required to organise the pharmaceutical services of the teaching group, and broad administrative experience is desirable. He may be required in addition to his hospital duties to give lectures in Pharmacy, and he will be encouraged to conduct research in his own field.

This is a Category V post, salary scale £835 x £40 (8)—£1,155 x £45 (1)—£1,200, plus a special Teaching Hospital allowance of £150 per annum, plus London Weighting. An additional payment will be made for lectures to medical students or nurses.

Applications giving full details of qualifications and experience together with the names of two referees should be sent to the undersigned not later than July 9, 1956.

P. H. CONSTABLE,
House Governor.
C 5259**ST. MARK'S HOSPITAL, CITY ROAD, LONDON, E.C.1**

Post-graduate Teaching Hospital

Pharmacist

Applications invited for the appointment of Pharmacist at this surgical hospital (rectal and colonic). New Whitley Council salary scale £500-£725, plus London Weighting. Additional £25 if holding higher qualification. Service in retail pharmacy, etc., taken into account in deciding commencing salary.

Age, qualifications, experience, names two referees to Secretary. C 5256

SUNDERLAND AREA HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

required immediately to cover holiday duties for four months or shorter period. Salary 16 guineas per week.

Apply in writing to the Group Secretary, General Hospital, Sunderland. C 5251

THE BETHLEEM ROYAL HOSPITAL AND THE MAUDSLEY HOSPITAL

(Post-graduate Teaching Hospital for mental and nervous disorders, with which is associated the Institute of Psychiatry, University of London).

Senior Pharmacist and Pharmacist required at the Maudsley Hospital, Whitley Council salary scales, for the senior grade £575 rising to £775 a year, and for the other grade, £500 rising to £725 a year, plus in each case London Weighting according to age, from £10 to £30 a year. The point of entry into the scales of pay will be determined by length of previous service. Extra payment of £25 for higher qualification. For form of application refer to K. J. Johnson, House Governor and Secretary, Maudsley Hospital, Denmark Hill, London, S.E.5. C 5180

THE LONDON HOSPITAL, WHITECHAPEL, E.1

Locum Pharmacist

required until September 30. Salary 15 or 16 guineas weekly according to experience. Apply to Secretary. C 270

THE ROYAL INFIRMARY, SUNDERLAND

Pharmacist

required for the Royal Infirmary with service at the Children's Hospital; salary £500 x £25 (3)—£575 x £30 (5)—£725, if aged 23 or over; Whitley Council conditions. Apply immediately, naming two referees, to the Hospital Secretary, Royal Infirmary, Sunderland. C 5248

WEST WALES HOSPITAL MANAGEMENT COMMITTEE

Locum Pharmacist

Experienced Pharmacist required for locum work at the Pembroke County War Memorial Hospital, Haverfordwest, for the following periods: July 2 to 14; September 3 to 15 (dates inclusive). Salary 16 gns. weekly. Application to N. A. Ball, Group Secretary, Giangwili, Carmarthen. C 5249

SITUATIONS VACANT

12/- for 36 words (min.) then 4d. per word.
Box 2/-

RETAIL (HOME)

ANNFIELD PLAIN CO-OPERATIVE SOCIETY, LTD. Wanted. Pharmacist (male or female) to manage branch shop at Framwellgate Moor, Durham, N.U.C.O. scale of wages. Present scale £17 2s. 6d. weekly. Modern shop, Saturday half-day. Applications, stating age and experience to be sent to the General Manager, Annfield Plain Co-operative Society, Ltd., P.O. Box No. 2, Front Street, Annfield Plain, Stanley, County Durham. C 3715

BATTERSEA, Branch manager pharmacist required for busy shop and good dispensing connection. Excellent opportunity for ambitious man to earn substantial salary and bonus. Good supporting staff and modern equipped dispensary, etc. Permanency with superannuation benefits. Accommodation available if required. Apply with full details stating when available for interview to Box C 3709.

BEDFORDSHIRE, Manager required by small private company for branch pharmacy. House with garden available away from business. Permanency, with good prospects. Full particulars in first letter, with suggested time for interview, to Philadelphia Jeyses & Co., Ltd. The Drapery, Northampton. C 3720

COSMETIC LADY required for good-class pharmacy. Must be used to all main agency lines. Able to control stock and work with other staff. Good saleswoman and pleasant personality essential. Help given in finding accommodation and holidays this year. Full details of age, previous experience, salary required to Wilfrid E. Dale, Ltd., 27 Market Place, Andover, Hants. C 3711

DISPENSER, lady, required for easily worked pharmacy. Good hours. Please give all detail of age, previous experience, etc., to Arnold M. Gee, Ltd., 70 Herbert Road, Plumstead, S.E.18 C 372

DONCASTER CO-OPERATIVE CHEMISTS LTD., require the services of pharmacist (male or female) as branch manager, 44-hour week minimum annual salary £840; bonus, increments for sales increases. Rota duties as additional payments. Applications with usual particulars to Superintendent Chemist, Doncaster Co-operative Chemists, Ltd., P.O. Box 20, Doncaster. C 26

HIGHGATE, N.6. Experienced assistant, lad preferred, for counter display, stock, etc. Some dispensing knowledge helpful but not essential. Good-class residential district on edge of Hampstead Heath. Apply Box C 3662.

H.M. PRISON AND BORSTAL SERVICE**Chief Pharmacist, Category III**

Applications are invited from men for an appointment at H.M. Prison, Wandsworth, S.W.18.

Applicants should be not less than 25 years of age and must be registered pharmacists.

Salary £730 x £30—£880 x £40—£1,000, plus London weighting. Extra payment of £25 for recognised higher qualifications.

Regulations and application forms from the Establishment Officer (E.51/7/9), Prison Commission, Room 204, Horseferry House, Dean Ryle Street, London, S.W.1, to be returned by June 29, 1956.

C 5240

Situations Vacant—Continued

LIVERPOOL. Qualified manager required for pharmacy on large housing estate, permanent position. Salary £832 per annum for a 44-hour week. Full staff, which includes a dispenser. Apply by letter to Metcalfe & Co. (L'pool), Ltd., 596 Prescot Road, Old Swan, Liverpool, 13. C 3676

LONDON, W.C.1. Young lady required as junior counter assistant, with or without previous experience; Saturday half-day. Excellent experience to be gained, particularly in cosmetics. Apply to Box C 5223.

LONDON, N.W.1. Pharmacist required to take full management of busy, double-fronted, family dispensing business. Full scope for further development. Good salary and commission. Superannuation scheme. No house. Please give all details of previous experience, age, etc., to Managing Director, Arnold M. Gee, Ltd., 12 High Street, Colliers Wood, S.W.19. C 3734

LONDON, S.E.1. (Adjacent Bakerloo Underground). Lady assistant for cosmetic and general counter duties. Leading cosmetic agencies. Hours 9 to 6. Holiday arrangements honoured. Phone: Waterloo 5979 for appointment. Sammes (Chemists), Ltd., 84 London Road, S.E.1. C 3729

MIDLAND AREA. Senior stocktaker required. Must have had several years' experience in pharmacy. Substantial wages. All expenses paid. Permanency. Apply Box C 259.

NORTH LONDON. Unqualified assistants required with dispensing experience for vacancies situated in North London. Salary according to age and experience. Permanent positions. Three weeks' holiday a year. Hours 9 a.m.—6 p.m. Thursday 1 p.m. Apply to A. R. Cross, Ltd., 476 Hertford Road, Enfield, or telephone Howard 1723 or 2916. C 5210

NORTH STAFFS. Lady or gentleman required to manage pharmacy in pleasant area. Living accommodation available or board residence at nearby country house provided free. Salary £1,000 per annum. Please write early to T. Roberts (Chemists), Ltd., 1 Belgrave Road, Longton, Stoke-on-Trent. C 5231

POTTERS BAR. Pharmacy manager required to manage a good-class establishment in this area. Splendid opportunity for promotion. There is a good supporting staff and development is assured. Flat accommodation can be provided if desired. Apply with full details stating when available for interview to Box C 3710.

QUALIFIED OR EXPERIENCED LADY DISPENSER-BOOKKEEPER required immediately. Semi-rural practice. Furnished accommodation available. Salary by arrangement. Apply Dr. Maurice Lee, Danbury, nr. Chelmsford. C 3699

WALES, mainly south. Competent stocktaker required with personality. Apply Orridge & Co., 184 Strand, London, W.C.2. C 255

LOCUMS WANTED

LOCUM DISPENSER RECEPTIONIST required. Hall certificate. Drs. Pigott, Harlow and Barthels, Linden Avenue, Kettering. C 3689

LOCUM PHARMACIST REQUIRED: June 4-30 inclusive, August 13-September 29 inclusive. Applications to Superintendent Chemist, Birmingham Co-operative Chemists, Ltd., 422 Coventry Road, Small Heath, Birmingham, 10. C 3727

PHARMACIST REQUIRED, about the end of June, to manage fully-staffed pharmacies in the London area for two to three months. Salary and expenses allowed. Please give all details of age, previous experience, etc., and when available for interview to Managing Director, Arnold M. Gee, Ltd., 12 High Street, Colliers Wood, S.W.19. C 3718

REPRESENTATIVE REQUIRED

IMPORTANT COMPANY marketing nationally known proprietary requires representative for the North Wales and Cheshire area. The position calls for a thorough knowledge of the trade and an energetic application to the duties involved, but offers excellent prospects. Salary, expenses, superannuation and car provided. Detailed applications to Box C 5254.

**RETAIL (OVERSEAS)**

QUALIFIED CHEMIST required to manage old-established English pharmacy in Hong Kong. Furnished accommodation. Superannuation scheme. Free passage. Good prospects. Apply A. S. Watson & Co., Ltd., 64 Crutched Friars, London, E.C.3. C 5197

WHOLESALE**ALLIED LABORATORIES, LTD.**

Additional medical representatives required to develop existing connection in the belt from Buckingham to Essex. Men with energy, a sound pharmaceutical background and resident in the area are invited to apply for these permanent and progressive positions. Remuneration by salary, expenses and commission, with pension scheme available. Car ownership necessary. Write giving full details of career to Sales Manager, Allied Laboratories, Ltd., 140 Park Lane, W.1. C 5212

AN EXPERIENCED REPRESENTATIVE required for Staffs and most of Cheshire by a well-known company selling nationally to chemists and good grocers products supported by national advertising. Substantial basic salary and expenses, non-contributory pension scheme. Full details to Box C 5255.

COOPER, McDougall & Robertson, LTD., Berkhamsted, Herts, require an additional veterinary representative to maintain sales liaison with members of the veterinary profession. Residence within 50 miles London, is necessary. Preferably, applicants must possess a good veterinary/medical background, striking personality, sound sales experience and be in the age group 27 to 40. Nevertheless, junior personnel should not be deterred from providing details of sales career to date, as full technical training can be given. This is an attractive position commanding adequate salary according to experience; a car is provided, expenses paid, contributory pension scheme. Write fully, in confidence, to the Veterinary Sales Supervisor, C 5241

H. E. DANIEL, LTD., St. Bernard Works, London, S.E.19, suppliers of raw materials to the following trades, require a representative to call upon mineral water and confectionery manufacturers, perfumery and soap manufacturers, manufacturing chemists and wholesale druggists, in London and Home Counties. Experience desirable. Salary, commission, superannuation and car provided. Apply in confidence, with full details to the Managing Director. C 261

EXPERIENCED REPRESENTATIVE required for the Metropolitan area to contact retail pharmacies only. Must be an energetic man of smart appearance, able to foster and maintain interest in the products of a well-known firm of manufacturing chemists supplying the retail trade through the wholesale distributing houses. Salary up to £750 per annum, expenses and car provided. Write Box C 5260.

FACTORY MANAGER required for small factory in Wimbledon district. Must have reasonable knowledge of chemistry and capable of ordering and controlling purchases. Five-day week. Pension scheme. Full details, including salary required to Box C 3736.

HEAD STOREKEEPER required by an old-established firm situated in West London area. Must be used to handling all manner of packing materials and be prepared to reorganise existing stores. The position calls for a man possessing initiative and drive. Write, giving full details of previous experience and salary required to Box C 5253.

EXPORT SALES MANAGER. Winthrop Products, Ltd. (Export Associates of Bayer Products, Ltd.) require Export Sales Manager. Pharmaceutical qualifications or background, 30-40, experience in modern methods of marketing ethicals for export essential. Good salary and prospects for really competent man but woman considered. Some foreign travel. Detailed applications stating present salary, in confidence, to Mr. R. Edenborough Winthrop Products, Ltd., Neville House, Eden Street, Kingston-on-Thames, Surrey. C 5235

MANAGER REQUIRED chemical department export house, S.E. London. Experience with pharmaceuticals an advantage. Good salary. Pension scheme. Apply Box C 5266.

MEDICAL REPRESENTATIVE

An opportunity occurs for a keen and competent person to join a well-known progressive ethical house to take over and develop an established connection in the Glasgow area. A pharmaceutical qualification is not necessary but a good technical background and residence in or near Glasgow are essential. No age limit. Remuneration by salary, expenses and commission, and the position is a permanent and pensionable one. Apply in full confidence, giving brief particulars of career to date, to Sales Manager, Box C 5213.

MEDICAL REPRESENTATIVES required by London manufacturing chemists to call on doctors, dentists, hospitals and chemists. Experience of medical detailing an advantage but not essential if applicant has a good pharmaceutical background. Applications invited from pharmacists, 25 to 40 years of age, stating experience and salary required. Box C 264

MENLEY & JAMES, LTD., invite applications for positions in their research and development department from pharmacists who are interested in a career on the technical side of pharmacy. Applications are especially sought from persons who will qualify at the end of this session or who will be released from H.M. Forces in the near future. Successful candidates will become experienced in formulation work and the scaling-up of pharmaceutical processes. Good progressive salaries will be paid and an attractive pension scheme is in operation. Apply to the Senior Development Chemist, Research & Development Department, Menley & James, Ltd., Coldharbour Lane, London, S.E.5. C 5211

MERCHANT COMPANY desirous of expansion into pharmaceutical trade, export and import, prepared to consider applications from experienced salesmen able to influence such business. Prospects for future advancement very promising to right type of man. Box C 3722.

OPPORTUNITIES occur for pharmacists, aged 21-25, in the pharmaceutical division of a well-known firm of chemical manufacturers near London. The engagement is on the manufacturing and packaging of ethical products with opportunity for experiment in production and control methods. Salary according to qualifications and experience, with prospects of advancement. Apply initially in writing to Box C 5199.

PROGRESSIVE and expanding firm of manufacturing chemists require chief chemist for their South Manchester factory. The successful candidate will be one who can apply a good academic background, practical experience and lively mind to a wide field of subjects including oils, waxes, soaps, resins and plastics. This is a senior position and will be paid accordingly. Give age, qualifications, and full details to Managing Director, Box C 5196.

Situations Vacant—Continued

OLD-ESTABLISHED cork manufacturers require representatives already calling on chemists in areas of Norfolk, Suffolk, Cornwall, Devon and Wales. Commission basis only, Box C 3724.

REPRESENTATIVE, 25/35 required for established territory South Wales. Suit man having some connection in Cardiff area, or having done medical propaganda. This is a responsible post carrying an attractive remuneration, with good basic salary, commission and full expenses. Car provided. Apply with full details, Box C 3700.

SALES PROMOTION EXECUTIVE required by Midland firm manufacturing chemists. Applicant must have had retail marketing experience and be able to organise campaigns, etc. The position is one of responsibility and offers much scope. Write stating age, experience and salary required to Box C 5264.

SALES REPRESENTATIVES! If you are a high-grade salesman you deserve a good job. We have some good jobs available which need a high-grade salesman—with all that that description implies. We need a few men with a good education, aged about 23-32. We provide salary, car and expenses and there is a superannuation scheme in operation. We are a large and happy sales force, your inclusion in which might be to our mutual advantage. Write to us at Box C 5239 and let us talk about it.

SCOTT & BOWNE, LTD., are expanding their sales force and will shortly have vacancies for top-grade representatives in the following areas:—

1. Kent, Surrey, Sussex, South-east London.
2. Wales, Hereford, Worcestershire, Shropshire.
3. Lancashire, excluding Manchester.
4. Northumberland, Durham, Westmorland, Cumberland and part of Yorkshire.

Applicants should be between 25 and 40 with experience of the chemist trade, preferably in the area applied for. They must be prepared to live on their territory. Remuneration is by salary and commission, with all expenses paid. Company can provide Pension scheme. This is a fine opportunity for men with initiative and ability, seeking a permanent position. Write with full details of age and experience to the Sales Director, Scott & Bowne, LTD., 50 Upper Brook Street, London, W.1. C 5262

WELL-KNOWN MANUFACTURERS (London and New York) of hairdressers' and toilet preparations require in the following areas of the United Kingdom, representatives with established connections with retail chemists and stores: East Anglia, London and Home Counties, North and South Wales, Newcastle area, South Coast, Bristol, South-west Counties. They will handle on a generous commission basis nationally advertised hair lacquers, deodorants, sun-tan lotions, barrier creams, etc., of American origin, Rilling-Hills, LTD., 222/4 Borough High Street, London, S.E.1, Hop 1268, C 3701

WYLEYS, LTD., COVENTRY, require a pharmaceutical chemist to control certain production departments. Applicants must have recent experience in some of the following branches: Creams, tablets, ointments, aseptic work including injections. A progressive career is offered to a young, keen man with knowledge and enthusiasm. Write stating age, references, etc., to Perkins Street, Coventry. C 5263

YOUNG MAN with some years' experience required in one or more of the following:—(a) Manufacture of bakers' sundries; (b) products for the soft drink industry; (c) food flavours. Contributory superannuation scheme in operation. Apply The Birmingham Chemical Co., LTD., Witton Works, Lichfield, C 5234

WHOLESALE (OVERSEAS)

INTERNATIONAL pharmaceutical organisation has vacancies for young single men keen to undertake a pioneering job detailing their products to doctors in all parts of British West Africa. Extensive travel and living under "bush" conditions will be necessary. If you have a pharmaceutical or medical background and are keen to pioneer, write giving fullest details of your career to date to Box C 5250.

WANTED by well-known South African company manufacturing in Johannesburg, a pharmaceutical chemist experienced in the filling of ampoules. Principal of above company will interview applicants personally in London on or about July 1. Write in first instance, Box C 5229.

SITUATIONS WANTED
3/- for 18 words (min.) then 2d. per word.
Box 1/-**LOCUMS SEEKING ENGAGEMENTS**

EXPERIENCED qualified lady chemist (Ireland) available for locums, managing, counter work, etc., June, July. Reply 6A Wetherby Gardens, London, S.W.5. Telephone: Freemantle 7836, C 3725

WHOLESALE

EXPORT/GENERAL MANAGER. Age 45. Home and overseas experience manufacturers and merchants. Capable accepting responsibility complete administration. Good contacts with overseas agents and London confirming houses. Sound buying knowledge, Box C 3735.

REPRESENTATIVE, age 44, seeks change, past seven years calling retail chemists Surrey area, for general wholesalers. Turnover approximately £50,000 per annum. Clean driving licence, own car, first-class credentials. Salary with commission approximately £1,000, Box C 3732.

REPRESENTATIVE, opposed retirement, offers services in medical commercial development, wide experience, Highest references and integrity. Excellent organiser. Please write Box C 3731.

REPRESENTATIVE, excellent connection retail, wholesale, Kent, Sussex, Surrey, Hants, Berks. Wide experience galenicals, specialities, etc. Clean licence. Good remuneration. Resident London, Box C 3671.

REPRESENTATIVE, excellent connection retail, wholesale, Yorkshire, Derbyshire, Nottinghamshire, Lincolnshire, desires change to firm of repute; full or part time. Own car, Box C 3738.

AGENCIES WANTED

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

PRINCIPAL of South African manufacturing and distributing pharmaceutical company, who will be in London from 23rd to end of June, is interested in agencies for products or lines suitable for resale to wholesale, retail pharmaceutical firms, doctors and hospitals, etc. Both ethical and advertised products. Box C 5230.

BUSINESS OPPORTUNITIES

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

PENSIONS FOR PHARMACISTS. It is important that you should have good advice on this subject which is more complicated than it appears. My long experience will secure best arrangement. Consult F. Varney, B.Sc., 14/16 Cockspur St., S.W.1. C 3669

SILICONE RUBBER for extreme temperatures, frequent sterilisation and high standard production and research. Washers, bungs, bottle cap liners, tubing, teats for droppers and mouldings to customers' specifications. Esco (Rubber), LTD., 34/36 Somerford Grove, London, N.16. C 241

WANTED

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

ALL KINDS OF BOTTLES, JARS, SCREW CAPS, cartons, packaging materials and manufacturers' stocks of all kinds bought at fair price for spot cash. We are buyers of merchandise of EVERY DESCRIPTION. Clearance Stocks, Discontinued lines, Surplus and Redundant Stocks. Should you have anything for disposal, please send us samples and particulars. Reliance Trading Co., 13 New College Parade, Finchley Road, N.W.3. C 153

BORIC ACID, borax and dehydrated surplus stocks required, either technical or B.P., in minimum quantities of 2 cwt. Also sodium bicarbonate, B.P., and titanium dioxide rutile or anatase. Box C 3714.

TOILET AND PERFUME bottles by actual users, odd lots, fair prices paid, also other containers, tubes, tins, etc. Write first instance. Small or large lots equally welcome. Box C 3733.

WANTED: Stocks of bronzless blue, Box C 5238.

WE WILL PURCHASE for cash a complete stock, a redundant line, including finished or partly finished goods, packing raw materials, etc. No quantity too large. Our representative will call anywhere. Write or telephone: Lawrence Edwards & Co., LTD., 6/7 Wellington Close, Ledbury Road, London, W.11. Tel.: Bayswater 4020 and 7692. C 140

MISCELLANEOUS SALES

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

REDUNDANT PLANT FOR SALE: One Manesty type OOA electric still cost price £16 One Manesty type OOBB electric still cost price £19. One Manesty 2A, steam only, still cost price £79 8s. All in good working condition, best offers invited. Apply Calumé Ltd., Crewe. C 524.

STOCK CLEARANCE OFFER, DDT 8 per cent, (in a heavy carrier). Packed in 56 lb drums, 30s. per cwt, net. Lindane dust (containing 0.8 per cent. Lindane, in a superfine light carrier), Packed in 1 cwt. drums, 90s. per cwt net. Carriage free. Geo. Monro, LTD., Ryde House, Hoddesdon, Herts. C 520.

SALES BY AUCTION

18/- per half inch (min.) and pro rata
Box 2/-

In Voluntary Liquidation re L. R. Wilson (Instruments), LTD., Hypodermic Syringe Manufacturers, New Mill, Bury New Road (near bu opposite side to Bull's Head Hotel), Whitefield,

CHARLES TAYLOR & SONS

will sell by auction on the premises above on WEDNESDAY, June 13, at 11 a.m. th

PLANT MACHINERY AND STOCK of a Hypodermic Syringe Manufacturer comprising Scrivener No. 1 Centreless Grinders very fine EFCO Electric Heating Oven to 1,000 deg. Centigrade (used for burning transfers on glass) with temperature control by Negretti & Zambra and with slow travelling endless belt, Neven Grinding Machines, Delapena Honer, Bench Lathes, Bench Drills, Electric Motors, Compressors, Stock of Solid an Hollow Glass Tubing (7 mm. to 12 mm.) an miscellaneous effects.

ON VIEW Tuesday, June 12, from 10 a.m. to 4 p.m.

Catalogues, price 6d., from the auctioneers, 2 Queen Street, Manchester, 2, or the Liquidator, Mr. A. Yearsley Taylor, A.C.A., Messrs. Trotter, Davies & Yearsley, Chartered Accountants 27 Brazenose Street, Manchester, 2. C 519

TENDERS

THE DIRECTOR GENERAL, India Store Department (MIS. 2), Government Building, Bromyard Avenue, London, W.3, invites tenders for the supply of:

Plaster of Paris Bandages, 6 in. x 3 yard tins of 12, 6,000 tins.

Plaster of Paris Slabs, 4 in. x 15 in., tins of 50, 1,400 tins.

To B.P.C. Standard.

Forms of Tender which are returnable on

Friday, July 20, may be obtained from the Office (CDN) Branch, upon payment of a fee of 10s. which is not returnable. Reference No. 724/55/18 (CDN) must be quoted in all applications.

THE JOINT CONTRACTING SUB-COMMITTEE of supplies officers of the South West Metropolitan Region hereby invites tenders for supplies of medical and surgical requisites for period July 1, 1956, to June 30, 1957, approximately 40 hospital management committees of the region. Applications in writing to tender forms to:—

Supplies Officer,
Lambeth Group Hospital
Management Committee,
Renfrew Road, London, S.E.11.
JOHN ELSEY,
Hon. Secretary
C 52

MISCELLANEOUS

17/6 for 36 words (min.) then 4d. per word.
Box 2/-

DUPPLICATING / COPY TYPING / MAILING Promptly and efficiently executed under personal supervision. Charges moderate. Satisfaction ensured. The Commercial Duplicating Service, Ground Floor, Cophall House, London E.C.2, Telephone: National 0420. C 37

IMITATION JEWELLERY. Put spring your window with white and coloured bead matching ear-rings, flower ear-rings, necklace pearls, gilt and diamante jewellery, bracelets. Exclusive Continental designs stocked. Largest selection in the country. Sample pieces £10 upwards c.o.d. or two references. Jodez (Manchester), LTD., 8 Shude Hill Manchester, 4.

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